

STARTERS

2

Heavy Duty Units are Brand New O.E.M. or Denso Factory Reman.

CLARK
2743535



Brand New

CLARK
3737235



Brand New

CLARK
3790819



Rebuilt / Heavy Duty

CLARK
909329



Rebuilt / Heavy Duty

CLARK
911410



Rebuilt / Brand New / Heavy Duty

CLARK
918306



Rebuilt / Brand New / Heavy Duty

CLARK
920971



Rebuilt / Brand New / Heavy Duty

CLARK
923441



Heavy Duty

CLARK
928137



Brand New / Heavy Duty

CLARK
930031



Brand New / Heavy Duty

CLARK
933605



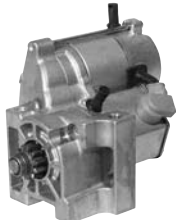
Brand New

CLARK
933606



Brand New

CLARK
933606-HD



Original Denso Heavy Duty Replacement

Heavy Duty

CLARK
933893



Heavy Duty

CLARK
933894



Heavy Duty

CLARK
934030



Brand New

DOOSAN
65.26201-7059D



Brand New

DOOSAN
65.26201-7078A



Brand New

DOOSAN
A213980



Brand New / Heavy Duty

DOOSAN
A218315



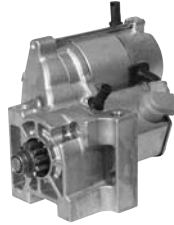
Rebuilt / Brand New / Heavy Duty

DOOSAN
A232158



Brand New

DOOSAN
A232158-HD



Original Denso Heavy Duty Replacement

Heavy Duty

DOOSAN
D141097



Brand New / Heavy Duty

DOOSAN
D490182



Heavy Duty

HYSTER
1362069



Rebuilt / Heavy Duty

HYSTER
1362081



Brand New

HYSTER
1374083



Brand New / Heavy Duty

HYSTER
1383240



Rebuilt / Brand New / Heavy Duty

HYSTER
1383779



Brand New

HYSTER
1388721



Heavy Duty

HYSTER
1453060



Brand New / Heavy Duty

HYSTER
1457048



Brand New

HYSTER
1519632



Brand New / Heavy Duty

HYSTER
1534424



Rebuilt / Brand New / Heavy Duty

HYSTER
1548620



Brand New

HYSTER
1599845



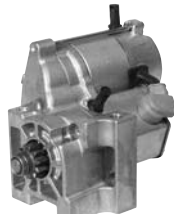
Brand New

HYSTER
1640531



Brand New

HYSTER
1640531-HD



Original Denso Heavy Duty Replacement

Heavy Duty

HYSTER
1650426



Brand New

HYSTER
1654059



Heavy Duty

HYSTER
2021166



Brand New / Heavy Duty

HYSTER
2037412



Rebuilt / Heavy Duty

HYSTER
2046602



Brand New / Heavy Duty

HYSTER
2314322



Rebuilt / Brand New / Heavy Duty

HYSTER
3126282R



Brand New

HYSTER
326460



Brand New / Heavy Duty

HYSTER
388040



Rebuilt

HYSTER
865435



Brand New

ISUZU

Z-1-81100-191-0



Brand New

ISUZU

Z-1-81100-206-0



Brand New

ISUZU

Z-1-81100-264-1



Brand New

JUNGHEINRICH

14035870



Brand New

KALMAR
4920209



Rebuilt / Heavy Duty

KOMATSU / KALMAR AC

23300-00H10 / 4942421



Rebuilt / Brand New / Heavy Duty

KOMATSU / KALMAR AC

23300-00H10S / 4948522



23300-00H10S Rebuilt Only

Rebuilt / Brand New / Heavy Duty

KOMATSU
23300-20H12



Rebuilt / Brand New

KOMATSU / KALMAR AC
23300-52H00 / 4968855



Rebuilt / Brand New / Heavy Duty

KOMATSU / KALMAR AC
23300-C0600 / 4947956



Rebuilt / Brand New / Heavy Duty

KOMATSU / KALMAR AC
23300-GS20A / 8772272



Brand New / Heavy Duty

KOMATSU / KALMAR AC
23300-K9160 / 4967525



Rebuilt / Brand New / Heavy Duty

KOMATSU
23300-P5112



Rebuilt

KOMATSU / KALMAR AC
28100-23800-71 / 8760218



Heavy Duty

KOMATSU
28100-31021



Rebuilt / Heavy Duty

KOMATSU
5-81100-080-1



Brand New / Heavy Duty

KOMATSU
5-81100-182-0



Brand New / Heavy Duty

KOMATSU
600-813-1410



Heavy Duty

KOMATSU / KALMAR AC
600-813-3240 / 4947993



Heavy Duty

KOMATSU
600-813-3250



Heavy Duty

KOMATSU
600-813-4490



Heavy Duty

KOMATSU / KALMAR AC
HE40-2507901 / 4948875



Rebuilt / Brand New / Heavy Duty

KOMATSU / KALMAR AC
ND128000-9972 / 4934170



Brand New / Heavy Duty

KOMATSU / KALMAR AC
YM129900-77010 / 8762412



Brand New

LINDE
2873D202



Brand New

LINDE
XVW068911024FN



Brand New

MITSUBISHI/CAT
32A66-10101



Brand New / Heavy Duty

MITSUBISHI/CAT
32B66-00202



Heavy Duty

MITSUBISHI/CAT
34466-20102



Brand New

MITSUBISHI/CAT
34766-20901



Brand New / Heavy Duty

MITSUBISHI/CAT
3E1864



Brand New

MITSUBISHI/CAT
3T5649



Rebuilt / Brand New / Heavy Duty

mitsubishi/cAT
3T8208



Heavy Duty

mitsubishi/cAT
3T8209



Brand New / Heavy Duty

mitsubishi/cAT
3T8210



Brand New

mitsubishi/cAT
3T8211



Brand New / Heavy Duty

mitsubishi/cAT
6T7002



Brand New / Heavy Duty

mitsubishi/cAT
6T7003



Brand New / Heavy Duty

mitsubishi/cAT
6T7004



Brand New / Heavy Duty

mitsubishi/cAT
7X1057



Brand New / Heavy Duty

mitsubishi/cAT
90425-02580



Rebuilt / Brand New / Heavy Duty

mitsubishi/cAT
91920-14400



Brand New

mitsubishi/cAT
91920-14400-HD



Original Denso Heavy Duty Replacement

Heavy Duty

mitsubishi/cAT
91H20-06190



Brand New / Heavy Duty

mitsubishi/cAT
MCF00354



Brand New / Heavy Duty

mitsubishi/cAT
MD171228



Rebuilt / Brand New

mitsubishi/cAT
MD171228-HD



Heavy Duty

mitsubishi/cAT
MD189054



Rebuilt / Heavy Duty

mitsubishi/cAT
MD320618



Rebuilt / Brand New / Heavy Duty

mitsubishi/cAT
MM115514



Rebuilt / Heavy Duty

mitsubishi/cAT
MM115517



Rebuilt / Heavy Duty

NISSAN
23300-00H10



Rebuilt / Brand New / Heavy Duty

NISSAN

23300-00H10S



Rebuilt

NISSAN

23300-06J04



Brand New / Heavy Duty

NISSAN

23300-10G02



Heavy Duty

NISSAN

23300-20H12



Rebuilt / Brand New

NISSAN

23300-47601



Rebuilt / Heavy Duty

NISSAN

23300-52H00



Rebuilt / Brand New / Heavy Duty

NISSAN

23300-6T00A



Brand New

NISSAN

23300-83W00



Heavy Duty

NISSAN

23300-C0600



Rebuilt / Brand New / Heavy Duty

NISSAN

23300-FM000



Brand New / Heavy Duty

NISSAN

23300-GS20A



Brand New / Heavy Duty

NISSAN

23300-K9160



Rebuilt / Brand New / Heavy Duty

NISSAN

23300-L1800



Brand New / Heavy Duty

NISSAN

23300-N3304



Rebuilt / Heavy Duty

NISSAN

23300-P5112



Rebuilt

NISSAN

23300-U0114



Rebuilt / Heavy Duty

NISSAN

23300-Z5515



Rebuilt / Brand New / Heavy Duty

TCM

20801-0M021



Brand New / Heavy Duty

TCM

212T1-07201



Rebuilt / Brand New / Heavy Duty

TCM

23300-00H10























Rebuilt / Brand New / Heavy Duty

STARTERS

8

Heavy Duty Units are Brand New O.E.M. or Denso Factory Reman.

TCM 23300-00H10S 	TCM 23300-20H12 	TCM 23300-47601 	TCM 23300-GS20A 
Rebuilt	Rebuilt / Brand New	Rebuilt / Heavy Duty	Brand New / Heavy Duty
TCM 23300-K9160 	TCM 23300-N3304 	TCM 23300-P5112 	TCM 23300-U0114 
Rebuilt / Brand New / Heavy Duty	Rebuilt / Heavy Duty	Rebuilt	Rebuilt / Heavy Duty
TCM F2-STARTER 	TCM TFESE-18400 	TCM TFFSC-18400 	TOYOTA 28100-20552-71 
Brand New	Rebuilt / Heavy Duty	Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty
TOYOTA 28100-20553-71 	TOYOTA 28100-22061-71 	TOYOTA 28100-23660-71 	TOYOTA 28100-23800-71 
Rebuilt / Brand New / Heavy Duty	Brand New / Heavy Duty	Brand New / Heavy Duty	Heavy Duty
TOYOTA 28100-31021-71 	TOYOTA 28100-31625-71 	TOYOTA 28100-31972-71 	TOYOTA 28100-32850-71 
Rebuilt / Heavy Duty	Brand New / Heavy Duty	Heavy Duty	Heavy Duty

TOYOTA

28100-40291-71



Brand New / Heavy Duty

TOYOTA

28100-42800-71



Heavy Duty

TOYOTA

28100-43650-71



Brand New / Heavy Duty

TOYOTA

28100-76009-71



Rebuilt / Heavy Duty

TOYOTA

28100-76011-71



Rebuilt / Heavy Duty

TOYOTA

28100-76023-71



Rebuilt / Heavy Duty

TOYOTA

28100-76024-71



Rebuilt

TOYOTA

28300-22003-71



Rebuilt / Brand New / Heavy Duty

TOYOTA

28300-23041-71



Brand New / Heavy Duty

TOYOTA

28300-23660-71



Brand New / Heavy Duty

TOYOTA

28300-31960-71



Heavy Duty

TOYOTA

28300-32880-71



Brand New / Heavy Duty

TOYOTA

90928-29006-71



Rebuilt / Brand New / Heavy Duty

TOYOTA

ND128000-9972-71



Brand New / Heavy Duty

YALE

1500242-13



Brand New

YALE

5800064-56



Rebuilt / Brand New / Heavy Duty

YALE

5800065-46



Brand New / Heavy Duty

YALE

5800409-14



Rebuilt / Brand New / Heavy Duty

YALE

5800448-85



Brand New

YALE

5800627-48



Brand New

YALE
5800747-51



Brand New

YALE
5800747-51-HD



Original Denso Heavy Duty Replacement

Heavy Duty

YALE
5800779-57



Brand New

YALE
5800796-90



Heavy Duty

YALE
9005408-57



Rebuilt

YALE
9005958-24



Rebuilt

YALE
9010988-91



Brand New / Heavy Duty

YALE
9069916-01



Rebuilt / Heavy Duty

YALE
9112166-00



Brand New / Heavy Duty

YALE
9129786-00



Rebuilt / Heavy Duty

YALE
9181396-00



Rebuilt / Brand New / Heavy Duty

YALE
9199676-00



Brand New / Heavy Duty

CLARK

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
2743535	-	✓	-	✓	-	12	10	Perkins Diesel
3737235	-	✓	-	-	✓	12	10	Perkins Diesel
3790819	✓	-	✓	✓	-	12	8	4G32
909329	✓	-	✓	✓	-	12	8	4G52 & 4G54
911410	✓	✓	✓	-	✓	12	11	4G52 & 4G54
918306	✓	✓	✓	-	✓	12	11	4G52 & 4G54
920971	✓	✓	✓	-	✓	12	10	4G63 & 4G64
923441	-	-	✓	-	✓	12	10	Continental TM27
928137	-	✓	✓	-	✓	12	10	S4S Diesel
930031	-	✓	✓	-	✓	12	10	Continental TM 13 & 20
933605	-	✓	-	-	✓	12	11	GM 3.0L
933606	-	✓	✓	-	✓	12	11	GM 4.3L
933893	-	-	✓	-	✓	12	10	Continental TM27
933894	-	-	✓	-	✓	12	10	Perkins Diesel
934030	-	✓	-	✓	-	12	9	Waukesha / Continental

DOOSAN

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
65.26201-7078A	-	✓	-	-	✓	12	11	Hercules 2.7L
65.26201-7059D	-	✓	-	-	✓	12	9	Hercules 2.7L
A213980	-	✓	✓	-	✓	12	10	Continental
A218315	✓	✓	✓	-	✓	12	10	4G63 & 4G64
A232158	-	✓	✓	-	✓	12	11	GM 4.3L
D141097	-	✓	✓	-	✓	12	9	Peugeot
D490182	-	-	✓	-	✓	12	8	H20

HYSTER

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
1362069	✓	-	✓	✓	-	12	8	VA & FE
1362081	-	✓	-	-	✓	12	9	GM 2.2L
1374083	-	✓	✓	-	✓	12	9	C240 Diesel
1383240	✓	✓	✓	-	✓	12	10	GM 4.3L
1383779	-	✓	-	✓	-	12	10	GM 4cyl & Chevy 6 cyl.
1388721	-	-	✓	-	✓	12	10	Perkins Darwin
1453060	-	✓	✓	-	✓	12	10	Perkins 1000-4
1457048	-	✓	-	-	✓	12	9	GM 2.2L
1519632	-	✓	✓	-	✓	12	9	C240 Diesel
1534424	✓	✓	✓	-	✓	12	8	F2 & FE
1548620	-	✓	-	-	✓	12	9	GM 2.4L
1599845	-	✓	-	-	✓	12	9	Yanmar 2.6L Diesel
1640531	-	✓	✓	-	✓	12	11	GM 4.3L Vortec
1650426	-	✓	-	-	✓	12	11	GM 3.0L
1654059	-	-	✓	-	✓	12	10	Cummings 4.5L
2021166	-	✓	✓	-	✓	12	13	HA & XA Diesel
2037412	✓	-	✓	✓	-	12	8	D5
2046602	-	✓	✓	-	✓	12	9	GM 4.3L
2314322	✓	✓	✓	-	✓	12	8	VA & FE
3126282R	-	✓	-	-	✓	12	11	VA & FE
326460	-	✓	✓	-	✓	12	10	Perkins 1000-4
388040	✓	-	-	✓	-	12	11	VA
865435	-	✓	-	-	✓	12	10	Perkins Diesel

ISUZU

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
Z-1-81100-191-0	-	✓	-	-	✓	24	11	6BG1-Diesel
Z-1-81100-206-0	-	✓	-	-	✓	24	11	6BB1-Diesel
Z-1-81100-264-1	-	✓	-	-	✓	24	11	6BD1-Diesel

JUNGHEINRICH

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
14035870	-	✓	-	✓	-	12	10	Perkins Diesel

KALMAR AC

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
4920209	✓	-	✓	✓	-	12	8	4G52 & 4G54
4934170	-	✓	✓	-	✓	12	11	4D95S-W Diesel
4942421	✓	✓	✓	✓	-	12	8	H20
4947956	✓	✓	✓	✓	-	12	9	P40
4947993	-	-	✓	-	✓	24	11	4D52 Diesel
4948522	✓	✓	✓	✓	-	12	8	H20
4948875	✓	✓	✓	-	✓	12	10	Hercules G1600
4967525	✓	✓	✓	-	✓	12	9	H20 & H20II
4968855	✓	✓	✓	-	✓	12	9	TB42
8760218	-	-	✓	✓	-	12	9	5K
8762412	-	✓	-	-	✓	12	9	Yanmar Diesel
8772272	-	✓	✓	-	✓	12	9	K21 & K25

KOMATSU

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
23300-00H10	✓	✓	✓	✓	-	12	8	H20
23300-00H10S	✓	-	-	✓	-	12	8	H20
23300-20H12	✓	✓	-	-	✓	12	11	H20
23300-52H00	✓	✓	✓	-	✓	12	9	TB42
23300-C0600	✓	✓	✓	✓	-	12	9	P40
23300-GS20A	-	✓	✓	-	✓	12	9	K21 & K25
23300-K9160	✓	✓	✓	-	✓	12	9	H20 & H20II & H25
23300-P5112	✓	-	-	✓	-	12	9	H20
28100-23800-71	-	-	✓	✓	-	12	9	5K
28100-31021-71	✓	-	✓	✓	-	12	9	4P
5-81100-080-1	-	✓	✓	-	✓	12	9	C240 Diesel
5-81100-182-0	-	✓	✓	-	✓	12	9	C240 Diesel
600-813-1410	-	-	✓	-	✓	12	11	4D95 Diesel
600-813-3240	-	-	✓	-	✓	24	11	4D52 Diesel
600-813-3250	-	-	✓	-	✓	24	11	4D52 Diesel
600-813-4490	-	-	✓	-	✓	24	11	6D105 Diesel
HE40-2507901	✓	✓	✓	-	✓	12	10	Hercules G1600
ND128000-9972	-	✓	✓	-	✓	12	11	4D95S-W Diesel
YM129900-77010	-	✓	-	-	✓	12	9	Yanmar Diesel

LINDE

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
2873D202	-	✓	-	✓	-	12	10	Perkins Diesel
XVW068911024F	-	✓	-	✓	-	12	9	VW Diesel

MITSUBISHI / CATERPILLAR

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
32A66-10101	-	✓	✓	-	✓	12	10	S4S Diesel
32B66-00202	-	-	✓	-	✓	24	10	S6S Diesel
34466-20102	-	✓	-	-	✓	24	11	S4E & S4E2 Diesel
34766-20901	-	✓	✓	-	✓	24	10	S6E Diesel
3E1864	-	✓	-	✓	-	12	10	Perkins Diesel
3T5649	✓	✓	✓	-	✓	12	10	Continental
3T8208	-	-	✓	-	✓	12	9	Peugeot Diesel
3T8209	-	✓	✓	-	✓	12	9	Peugeot
3T8210	-	✓	✓	-	✓	12	9	Continental

MITSUBISHI / CATERPILLAR

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
3T8211	-	✓	✓	-	✓	12	10	Continental
6T7002	-	✓	✓	-	✓	12	9	Peugeot
6T7003	-	✓	✓	-	✓	12	9	Peugeot Diesel
6T7004	-	✓	✓	-	✓	12	10	White 1404
7X1057	-	✓	✓	-	✓	12	10	Perkins 4.236G
90425-02580	✓	✓	✓	-	✓	12	9	TB45
91920-14400	-	✓	✓	-	✓	12	11	GM 4.3L
91H20-06190	-	✓	✓	-	✓	12	9	K21 & K25
MCF00354	-	✓	✓	-	✓	12	10	Perkins 4.236
MD171228	✓	✓	✓	-	✓	12	11	4G32, 4G52 & 4G54
MD189054	✓	-	✓	✓	-	12	8	4G32, 4G52 & 4G54
MD320618	✓	✓	✓	-	✓	12	10	4G63 & 4G64
MM115514	✓	-	✓	✓	-	12	8	4G52 & 4G54
MM115517	✓	-	✓	✓	-	12	8	4G33

NISSAN

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
23300-00H10	✓	✓	✓	✓	-	12	8	A15, J15 & H20
23300-00H10S	✓	-	-	✓	-	12	8	A15, J15 & H20
23300-06J04	-	✓	✓	-	✓	24	11	TD42 Diesel
23300-10G02	-	-	✓	-	✓	12	9	SD22 & SD25 Diesel
23300-20H12	✓	✓	-	-	✓	12	11	Z24
23300-47601	✓	-	✓	✓	-	12	9	D11
23300-52H00	✓	✓	✓	-	✓	12	9	TB42
23300-6T00A	-	✓	-	-	✓	12	9	TD27 Diesel
23300-83W00	-	-	✓	-	✓	12	9	SD22 & SD25 Diesel
23300-C0600	✓	✓	✓	✓	-	12	9	P40
23300-FM000	-	✓	✓	-	✓	12	10	33L4C Diesel
23300-GS20A	-	✓	✓	-	✓	12	9	K21 & K25
23300-K9160	✓	✓	✓	-	✓	12	9	H20II & H25
23300-L1800	-	✓	✓	✓	-	12	9	SD22 & SD25 Diesel
23300-N3304	✓	-	✓	✓	-	12	9	P40
23300-P5112	✓	-	-	✓	-	12	9	J15
23300-U0114	✓	-	✓	✓	-	12	9	H30
23300-Z5515	✓	✓	✓	-	✓	24	11	SD33 Diesel

TCM

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
20801-0M021	-	✓	✓	-	✓	12	9	C240 & 4FE1
212T1-07201	✓	✓	✓	-	✓	12	9	4Y
23300-00H10	✓	✓	✓	✓	-	12	8	A15 & H20
23300-00H10S	✓	-	-	✓	-	12	8	A15 & H20
23300-20H12	✓	✓	-	-	✓	12	11	H20
23300-47601	✓	-	✓	✓	-	12	9	D11
23300-GS20A	-	✓	✓	-	✓	12	9	K21 & K25
23300-K9160	✓	✓	✓	-	✓	12	9	H20II & H25
23300-N3304	✓	-	✓	✓	-	12	9	P40
23300-P5112	✓	-	-	✓	-	12	9	J15
23300-U0114	✓	-	✓	✓	-	12	9	H30
TCM-F2-STARTER	-	✓	-	-	✓	12	11	F2
TFESE-18400	✓	-	✓	✓	-	12	8	F2
TFFSC-18400	✓	✓	✓	-	✓	12	8	F2

TOYOTA

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
28100-20552-71	✓	✓	✓	-	✓	12	9	4P, 5R & 5P
28100-20553-71	✓	✓	✓	-	✓	12	9	4P, 4Y, 5R & 5P

TOYOTA

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
28100-22061-71	-	✓	✓	-	✓	24	11	1Z & 2J Diesel
28100-23660-71	-	✓	✓	-	✓	12	11	2Z Diesel
28100-23800-71	-	-	✓	✓	-	12	9	5K
28100-31021-71	✓	-	✓	✓	-	12	9	4P
28100-31625-71	-	✓	✓	-	✓	24	11	2H Diesel
28100-31972-71	-	-	✓	-	✓	12	9	2F & 3F
28100-32850-71	-	-	✓	-	✓	12	10	1FZ Diesel
28100-40291-71	-	✓	✓	-	✓	12	11	13Z & 1DZ Diesel
28100-42800-71	-	-	✓	-	✓	24	11	2J Diesel
28100-43650-71	-	✓	✓	-	✓	12	11	2Z Diesel
28100-76009-71	✓	-	✓	✓	-	12	9	3P & 4P
28100-76011-71	✓	-	✓	✓	-	12	9	5R
28100-76023-71	✓	-	✓	✓	-	12	9	5R Heavy Duty
28100-76024-71	✓	-	-	✓	-	12	9	2F
28300-22003-71	✓	✓	✓	-	✓	12	9	GM 6cyl.
28300-23041-71	-	✓	✓	-	✓	12	11	2J Diesel
28300-23660-71	-	✓	✓	-	✓	12	11	1DZ Diesel
28300-31960-71	-	-	✓	-	✓	24	11	2H Diesel
28300-32880-71	-	✓	✓	-	✓	12	11	11Z Diesel
90928-29006-71	✓	✓	✓	-	✓	12	9	GM 4cyl.
ND128000-9972-71	-	✓	✓	-	✓	12	11	4D95S-W Diesel

YALE

Part#	Rebuilt	Brand New	Heavy Duty	Straight Drive	Gear Reduction	Volts	Teeth	Engine
1500242-13	-	✓	-	-	✓	12	11	VA, F2 & FE
5800064-56	✓	✓	✓	-	✓	12	10	GM 4.3L
5800065-46	-	✓	✓	-	✓	12	10	Perkins Diesel
5800409-14	✓	✓	✓	-	✓	12	8	F2 & FE
5800448-85	-	✓	-	-	✓	12	9	GM 2.4L
5800627-48	-	✓	-	-	✓	12	9	Yanmar 2.6L & 3.3L Diesel
5800747-51	-	✓	✓	-	✓	12	11	GM 4.3L Vortec
5800779-57	-	✓	-	-	✓	12	11	GM 3.0L
5800796-90	-	-	✓	-	✓	12	10	Cummins 4.5L
9005408-57	✓	-	-	✓	-	12	11	VA, F2 & FE
9005958-24	✓	-	-	✓	-	12	9	UA
9010988-91	-	✓	✓	-	✓	12	13	HA & XA Diesel
9069916-01	✓	-	✓	✓	-	12	8	D5
9112166-00	-	✓	✓	-	✓	12	9	GM 4.3L
9129786-00	✓	-	✓	✓	-	12	8	VA, F2 & FE
9181396-00	✓	✓	✓	-	✓	12	8	VA, F2 & FE
9199676-00	-	✓	✓	-	✓	12	9	GM 4.3L

STARTER REPLACEMENT PARTS

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Type SD-01	Type SD-02	Type SD-03	Type SD-04	Type SD-05
				
Type SD-06	Type SD-07	Type SD-08	Type SD-09	Type SS-01
				
Type SS-02	Type SS-03	Type SS-04		

Starter	Teeth	Solenoid	Type	Drive	Type	Starter	Teeth	Solenoid	Type	Drive	Type
1362069	8	1368862	SS-03	1368852	SD-06	909329	8	909332	SS-04	909336	SD-02
1469603	11	1490407	SS-01	595	SD-04	911410	11	909332	SS-04	911437	SD-09
1469604	11	1490407	SS-01	595	SD-04	9129786-00	8	9019918-17	SS-03	9012868-06	SD-06
1534424	8	1574092	SS-03	2314328	SD-01	9181396-00	8	9023618-20	SS-03	9023618-06	SD-01
2314322	8	2314342	SS-03	2314328	SD-01	91920-14400	11	1490407	SS-01	595	SD-04
23300-00H10	8	23343-00H10	SS-04	23354-42L10	SD-02	920971	10	921062	SS-05	NA	NA
23300-20H12	11	23343-20H12	SS-04	23357-20H12	SD-08	923045	11	925182	SS-01	595	SD-04
23300-K9160	9	23343-00H10	SS-04	N/A	NA	933605	11	925182	SS-01	595	SD-04
23300-L2912	8	23343-Y0513	SS-04	23312-L1110	SD-02	MD171228	11	M371X59271	SS-04	MM502529	SD-09
23300-P5112	9	23343-47711	SS-04	23312-E3010	SD-03	MD189054	8	M371X59271	SS-04	MD607283	SD-02
28100-76023-71	9	28150-22011	SS-02	28011-41011	SD-07	MD320618	10	M371X71271	SS-05	NA	NA
3790819	8	909332	SS-04	909336	SD-02	MM115514	8	M371X59271	SS-04	MD607283	SD-02
388040	11	326893	SS-04	326881	SD-05	MM115517	8	M371X59271	SS-04	MD607283	SD-02
4920209	8	4921405	SS-04	4920214	SD-02	TFESE18400	8	T-4894-24-760	SS-03	T-4893-24-722	SD-06
4942421	8	4942432	SS-04	4942424	SD-02	TFFSC18400	8	TFESE18X10	SS-03	TB63018X45	SD-01
4948522	8	4921405	SS-04	4920214	SD-02						
4967525	9	4942432	SS-04	N/A	N/A						
5800271-06	11	5800212-14	SS-01	595	SD-04						
5800282-37	11	5800212-14	SS-01	595	SD-04						
5800409-14	8	5800537-98	SS-03	9023618-06	SD-01						
9005408-57	11	1500225-16	SS-04	9005408-18	SD-05						
9005958-24	9	1500225-16	SS-04	9002968-16	SD-03						
9069916-01	8	9012868-17	SS-03	9012868-06	SD-06						

CLARK
2334014



Rebuilt / Brand New

CLARK
2383064



Brand New

CLARK
2807382



Brand New

CLARK
2817142



Brand New

CLARK
3768011



Rebuilt / Brand New

CLARK
3768023



Rebuilt / Brand New

CLARK
920244



Rebuilt / Brand New / Heavy Duty

CLARK
928179



Rebuilt / Brand New / Heavy Duty

DOOSAN
D187478



Rebuilt / Brand New / Heavy Duty

DOOSAN
D700328



Brand New

DOOSAN
K1019671



Brand New

HYSTER
1310962



Rebuilt / Brand New / Heavy Duty

HYSTER
1323659



Rebuilt / Brand New

HYSTER
1339174



Brand New

HYSTER
1358911



Brand New

HYSTER
1361137



Rebuilt

HYSTER
1450928



Rebuilt / Brand New / Heavy Duty

HYSTER
1469597



Heavy Duty

HYSTER
1469599



Heavy Duty

HYSTER
1534017



Heavy Duty

HYSTER
323813



Rebuilt

HYSTER
326855



Rebuilt / Brand New

HYSTER
4007486



Brand New

KALMAR
4794725



Rebuilt / Brand New

KALMAR
4906578



Brand New

KALMAR
4920223



Rebuilt

KALMAR
4921289



Rebuilt / Brand New

KOMATSU / KALMAR AC
23100-87V10 / 8762055



Rebuilt / Brand New / Heavy Duty

KOMATSU / KALMAR AC
23100-B9810 / 4949046



Rebuilt / Brand New / Heavy Duty

KOMATSU / KALMAR AC
23100-C6000 / 4947935



Rebuilt / Brand New

KOMATSU / KALMAR AC
23100-FF110 / 8775058



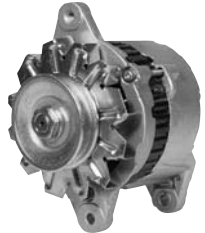
Rebuilt / Brand New / Heavy Duty

KOMATSU / KALMAR AC
23100-FU410 / 8772271



Rebuilt / Brand New / Heavy Duty

KOMATSU / KALMAR AC
23100-M0414 / 4942402



Rebuilt / Brand New

KOMATSU
23100-U0105



Rebuilt / Brand New

KOMATSU / KALMAR AC
600-821-2340 / 4947996



Brand New

KOMATSU / KALMAR AC
600-821-2350 / 4965234



Brand New / Heavy Duty

KOMATSU / KALMAR AC
TJ27060-78003-71 / 8760196



Brand New / Heavy Duty

KOMATSU / KALMAR AC
YM129930-77210 / 8762506



Brand New

MITSUBISHI/CAT
32A68-10201



Rebuilt / Brand New / Heavy Duty

MITSUBISHI/CAT
32B68-00200



Heavy Duty

Heavy Duty Units are Brand New O.E.M. or Denso Factory Reman.

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ALTERNATORS

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mitsubishi/cAT 34468-25100 	mitsubishi/cAT 34468-28100 	mitsubishi/cAT 34468-28200 	mitsubishi/cAT 6T1195 
Heavy Duty	Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty	Brand New
mitsubishi/cAT 90425-02410 	mitsubishi/cAT 91H20-03270 	mitsubishi/cAT 93020-07800 	mitsubishi/cAT 93720-08500 
Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty	Brand New	Heavy Duty
mitsubishi/cAT MD009070 	mitsubishi/cAT MD021669 	mitsubishi/cAT MD034130 	mitsubishi/cAT MD064068 
Rebuilt	Rebuilt	Rebuilt / Brand New	Rebuilt / Brand New
mitsubishi/cAT MD354809 	mitsubishi/cAT MM131020 	NISSAN 23099-R8109 	NISSAN 23100-02N20 
Rebuilt / Brand New / Heavy Duty	Brand New / Heavy Duty	Brand New / Heavy Duty	Brand New
NISSAN 23100-51H00 	NISSAN 23100-87V10 	NISSAN 23100-B9810 	NISSAN 23100-C6000 
Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New

NISSAN
23100-FF110



Rebuilt / Brand New / Heavy Duty

NISSAN
23100-FM000



Rebuilt / Brand New / Heavy Duty

NISSAN
23100-FU410



Rebuilt / Brand New / Heavy Duty

NISSAN
23100-L1802



Heavy Duty

NISSAN
23100-L6001



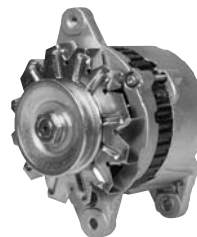
Brand New / Heavy Duty

NISSAN
23100-M0414



Rebuilt / Brand New

NISSAN
23100-U0105



Rebuilt / Brand New

TCM
212T1-06941



Brand New / Heavy Duty

TCM
212T1-06943



Rebuilt / Brand New / Heavy Duty

TCM
23100-87V10



Rebuilt / Brand New / Heavy Duty

TCM
23100-B9810



Rebuilt / Brand New / Heavy Duty

TCM
23100-FF110



Rebuilt / Brand New / Heavy Duty

TCM
23100-FU410



Rebuilt / Brand New / Heavy Duty

TCM
23100-M0414



Rebuilt / Brand New

TCM
23100-U0105



Rebuilt / Brand New

TCM
T-GE01-18-300



Rebuilt / Brand New / Heavy Duty

TCM
Z-5-81200-3350



Heavy Duty

TCM
Z-5-81200-3411



Rebuilt / Brand New / Heavy Duty

TOYOTA
27020-22060-71























Heavy Duty

TOYOTA
27020-30200-71



Heavy Duty

Heavy Duty Units are Brand New O.E.M. or Denso Factory Reman.

TOYOTA 27020-76003-71 	TOYOTA 27020-76011-71 	TOYOTA 27020-76029-71 	TOYOTA 27020-78601-71 
Rebuilt / Brand New	Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty	Heavy Duty
TOYOTA 27060-76001-71 	TOYOTA 27060-78001-71 	TOYOTA 27060-78003-71 	TOYOTA 27060-78158-71 
Rebuilt / Brand New / Heavy Duty	Brand New / Heavy Duty	Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty
TOYOTA 27060-78159-71 	TOYOTA 27060-78160-71 	TOYOTA 27060-78161-71 	TOYOTA 27060-78203-71 
Rebuilt / Brand New / Heavy Duty	Brand New / Heavy Duty	Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty
TOYOTA 27060-78300-71 	TOYOTA 27060-78301-71 	TOYOTA 27060-78305-71 	TOYOTA 27060-78701-71 
Brand New	Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty
TOYOTA 27070-23000-71 	TOYOTA 27070-23001-71 	TOYOTA 27070-23041-71 	TOYOTA 27070-31720-71 
Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty	Rebuilt / Brand New / Heavy Duty

UNIVERSAL
220A



Rebuilt / Brand New

UNIVERSAL
270



Brand New

UNIVERSAL
270-24



Brand New

UNIVERSAL
270SE



Rebuilt / Brand New

YALE
1500177-87



Brand New

YALE
1500225-04



Rebuilt / Brand New / Heavy Duty

YALE
5071748-00



Rebuilt / Brand New

YALE
5800009-90



Rebuilt / Brand New / Heavy Duty

YALE
5800018-48



Brand New

YALE
5800268-28



Heavy Duty

YALE
5800268-29



Heavy Duty

YALE
5800396-72



Heavy Duty

YALE
5820024-15



Brand New

YALE
9006128-17



Rebuilt / Brand New

YALE
9138801-00



Brand New

ALTERNATOR BRACKET ALTERNATOR BRACKET ALTERNATOR BRACKET ALTERNATOR BRACKET



TOYOTA
16381-23040-71



TOYOTA
16381-78051-71



TOYOTA
16381-78152-71



TOYOTA
16381-78300-71

Heavy Duty Units are Brand New O.E.M. or Denso Factory Reman.

CLARK

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
2334014	✓	✓	-	-	✓	12	55	D	Continental & Waukesha
2383064	-	✓	-	✓	-	12	63	E	4G52 & 4G54
2807382	-	✓	-	✓	-	12	63	E	4G52 & 4G54
2817142	-	✓	-	✓	-	12	63	E	GM & Waukesha
3768011	✓	✓	-	✓	-	12	45	G	4G52 & 4G54
3768023	✓	✓	-	✓	-	12	50	G	4G52 & 4G54
920244	✓	✓	✓	✓	-	12	50	H	4G63 & 4G64
928179	✓	✓	✓	✓	-	12	63	H	4G64

DOOSAN

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
D187478	✓	✓	✓	✓	-	12	50	H	4G63 & 4G64
D700328	-	✓	-	✓	-	12	100	I	Peugeot & Hercules
K1019671	-	✓	-	✓	-	12	100	I	American & Japanese

HYSTER

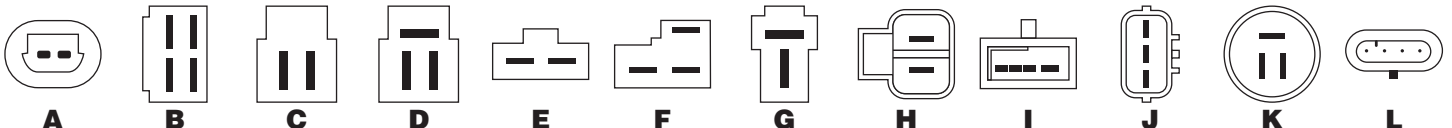
Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
1310962	✓	✓	✓	✓	-	12	35	G	VA
1323659	✓	✓	-	-	✓	12	55	C	Continental & Waukesha
1339174	-	✓	-	✓	-	12	100	I	GM 2.2L
1358911	-	✓	-	✓	-	12	78	F	GM 3.0L
1361137	✓	-	-	✓	-	12	45	G	C240 Diesel
1450928	✓	✓	✓	✓	-	12	40	G	FE
1469597	-	-	✓	✓	-	12	70	A	GM 4.3L Vortec
1469599	-	-	✓	✓	-	12	70	A	GM 4.3L Vortec
1534017	-	-	✓	✓	-	12	70	A	GM 2.4L
323813	✓	-	-	-	✓	12	35	G	C240 Diesel
326855	✓	✓	-	-	✓	12	35	B	VA
4007486	-	✓	-	✓	-	12	95	L	Cummins 3.3L & 4.5L

KALMAR AC

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
4794725	✓	✓	-	-	✓	12	55	C	Continental & Waukesha
4906578	-	✓	-	✓	-	12	63	E	Continental, GM & Waukesha
4920223	✓	-	-	-	✓	12	50	B	4G52
4921289	✓	✓	-	✓	-	12	50	G	4G52 & 4G54
4942402	✓	✓	-	-	✓	12	35	G	H20
4947935	✓	✓	-	-	✓	12	35	G	P40
4947996	-	✓	-	✓	-	12	35	G	4D95 Diesel
4949046	✓	✓	✓	✓	-	12	35	G	H20
4965234	-	✓	✓	✓	-	12	45	G	4D95S-W Diesel
8760196	-	✓	✓	✓	-	12	35	K	5K
8762055	✓	✓	✓	✓	-	12	35	H	H20 II
8762506	-	✓	-	✓	-	12	40	G	4D94E Diesel
8772271	✓	✓	✓	✓	-	12	50	H	K21 & K25
8775058	✓	✓	✓	✓	-	12	50	H	TB45

KOMATSU

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
23100-87V10	✓	✓	✓	✓	-	12	35	H	H20 II, H25 & TB42
23100-B9810	✓	✓	✓	✓	-	12	35	G	H20, P40 & TB42
23100-C6000	✓	✓	-	-	✓	12	35	G	P40



KOMATSU

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
23100-FF110	✓	✓	✓	✓	-	12	50	H	TB45
23100-FU410	✓	✓	✓	✓	-	12	50	H	K21 & K25
23100-M0414	✓	✓	-	-	✓	12	35	G	H20
23100-U0105	✓	✓	-	-	✓	12	35	G	H20
600-821-2340	-	✓	-	✓	-	12	35	G	4D95 Diesel
600-821-2350	-	✓	✓	✓	-	12	45	G	4D95S-W Diesel
TJ27060-78003-71	-	✓	✓	✓	-	12	35	K	5K
YM12993077210	-	✓	-	✓	-	12	40	G	4D94E Diesel

MITSUBISHI/CATERPILLAR

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
32A68-10201	✓	✓	✓	✓	-	12	40	G	K25
32B68-00200	-	-	✓	✓	-	24	35	H	S6E & S6S Diesel
34468-25100	-	-	✓	✓	-	24	40	G	S6E & S6S Diesel
34468-28100	✓	✓	✓	✓	-	12	35	G	S4S Diesel
34468-28200	✓	✓	✓	✓	-	12	35	G	S4S Diesel
6T1195	-	✓	-	✓	-	12	63	E	Continental & Waukesha
90425-02410	✓	✓	✓	✓	-	12	50	H	TB45
91H20-03270	✓	✓	✓	✓	-	12	50	H	K21 & K25
93020-07800	-	✓	-	✓	-	12	55	n/a	GM 4.3L & G6
93720-08500	-	-	✓	✓	-	12	70	A	GM 4.3L & G6
MD009070	✓	-	-	-	✓	12	45	B	4G33
MD021669	✓	-	-	-	✓	12	50	B	4G52 & 4G54
MD034130	✓	✓	-	✓	-	12	45	G	4G33
MD064068	✓	✓	-	✓	-	12	50	G	4G52 & 4G54
MD354809	✓	✓	✓	✓	-	12	50	H	4G63 & 4G64
MM131020	-	✓	✓	✓	-	12	40	G	6G72

NISSAN

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
23099-R8109	-	✓	✓	✓	-	12	40	D	SD25 Diesel
23100-02N20	-	✓	-	✓	-	12	50	H	TD27 Diesel
23100-51H00	-	✓	✓	✓	-	24	25	G	TD42 Diesel
23100-87V10	✓	✓	✓	✓	-	12	35	H	H20 II & H25
23100-B9810	✓	✓	✓	✓	-	12	35	G	A15, H20, P40 & TB42
23100-C6000	✓	✓	-	-	✓	12	35	G	P40
23100-FF110	✓	✓	✓	✓	-	12	50	H	TB45
23100-FM000	✓	✓	✓	✓	-	12	40	G	33L4C Diesel
23100-FU410	✓	✓	✓	✓	-	12	50	H	K21 & K25
23100-L1802	-	-	✓	-	✓	12	35	G	SD22 Diesel
23100-L6001	-	✓	✓	-	✓	24	15	G	SD33 Diesel
23100-M0414	✓	✓	-	-	✓	12	35	G	J15, H20 & H30
23100-U0105	✓	✓	-	-	✓	12	35	G	J15, H20 & H30

TCM

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
212T1-06941	-	✓	✓	✓	-	12	35	K	4Y
212T1-06943	✓	✓	✓	✓	-	12	50	J	4Y
23100-87V10	✓	✓	✓	✓	-	12	35	H	H20 II & H25
23100-B9810	✓	✓	✓	✓	-	12	35	G	A15 & H20
23100-FF110	✓	✓	✓	✓	-	12	50	H	TB45
23100-FU410	✓	✓	✓	✓	-	12	50	H	K21 & K25
23100-M0414	✓	✓	-	-	✓	12	35	G	J15, H20 & H30



A



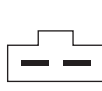
B



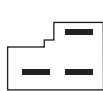
C



D



E



F



G



H



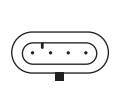
I



J



K



L

TCM

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
23100-U0105	✓	✓	-	-	✓	12	35	G	J15, H20 & H30
T-GE01-18-300	✓	✓	✓	✓	-	12	35	G	F2
Z-5-81200-3350	-	-	✓	✓	-	24	20	G	C240 Diesel
Z-5-81200-3411	✓	✓	✓	✓	-	12	35	G	4FE1 Diesel

TOYOTA

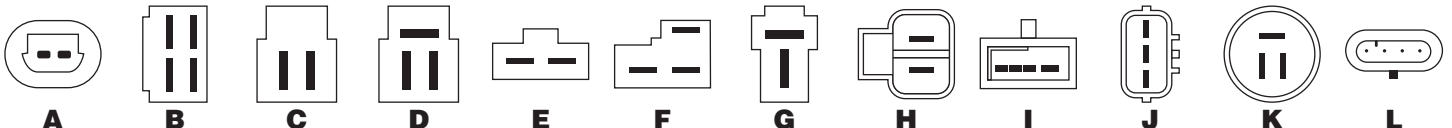
Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
27020-22060-71	-	-	✓	-	✓	24	40	D	2H & 2J High Capacity
27020-30200-71	-	-	✓	-	✓	24	40	D	2J & 3H High Capacity
27020-76003-71	✓	✓	-	-	✓	12	35	D	4P & 5R
27020-76011-71	✓	✓	✓	-	✓	12	45	D	2F & 5P
27020-76029-71	✓	✓	✓	-	✓	12	45	D	3P
27020-78601-71	-	-	✓	-	✓	24	40	D	2H & 2J Diesel
27060-76001-71	✓	✓	✓	✓	-	12	40	G	1FZ Diesel
27060-78001-71	-	✓	✓	✓	-	12	45	G	4Y 2 Prong
27060-78003-71	-	✓	✓	✓	-	12	35	K	4Y & GM-4181 3 Prong
27060-78158-71	✓	✓	✓	✓	-	12	50	J	4Y
27060-78159-71	✓	✓	✓	✓	-	12	60	J	4Y High Capacity
27060-78160-71	-	✓	✓	✓	-	12	50	J	4Y
27060-78161-71	-	✓	✓	✓	-	12	60	J	4Y High Capacity
27060-78203-71	✓	✓	✓	✓	-	12	50	J	13Z & 1DZ Diesel
27060-78300-71	-	✓	-	✓	-	24	20	G	1Z Diesel
27060-78301-71	✓	✓	✓	✓	-	12	40	G	2J, 3F, 1Z & 11Z Diesel
27060-78305-71	✓	✓	✓	✓	-	12	55	K	2J & 1DZ Diesel
27060-78701-71	✓	✓	✓	✓	-	12	60	J	1DZ Diesel
27070-23000-71	✓	✓	✓	✓	-	12	40	G	4P & 4Y High Capacity
27070-23001-71	✓	✓	✓	✓	-	12	50	K	4Y High Capacity
27070-23041-71	✓	✓	✓	✓	-	12	50	K	13Z & GM, 4.3L
27070-31720-71	✓	✓	✓	✓	-	12	55	K	GM 4.3L

UNIVERSAL

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
220A	✓	✓	-	-	✓	12	55	C	Continental & Waukesha
270	-	✓	-	✓	-	12	63	E	Continental, GM & Waukesha
270-24	-	✓	-	✓	-	24	32	E	Continental, GM & Waukesha
270SE	✓	✓	-	✓	-	12	63	E	Continental, GM & Waukesha 1 Wire

YALE

Part#	Rebuilt	Brand New	Heavy Duty	Internal Regulator	External Regulator	Volt	Amp	Plug Style	Engine
1500177-87	-	✓	-	✓	-	12	63	E	GM & Waukesha
1500225-04	✓	✓	✓	✓	-	12	35	G	D5, F2 & FE
5071748-00	✓	✓	-	-	✓	12	55	D	Continental & Waukesha
5800009-90	✓	✓	✓	✓	-	12	40	G	D5, F2 & FE
5800018-48	-	✓	-	✓	-	12	78	F	GM 3.0L
5800268-28	-	-	✓	✓	-	12	70	A	GM 4.3L Vortec
5800268-29	-	-	✓	✓	-	12	70	A	GM 4.3L Vortec
5800396-72	-	-	✓	✓	-	12	70	A	GM 2.4L
5820024-15	-	✓	-	✓	-	12	95	L	Cummings 3.3L & 4.5L
9006128-17	✓	✓	-	-	✓	12	35	B	UA & VA
9138801-00	-	✓	-	✓	-	12	63	E	Continental, GM & Waukesha 1 Wire





Type
A



Type
B



Type
C



Type
D



Type
E



Type
F

CLARK

Part#	Type
918541	B

DOOSAN

A218026	B
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HYSTER

1360893	A
1553692	F
321734	D

KALMAR AC

4942146	C
4947667	C

MITSI / CAT

Part#	Type
90425-00630	C
91921-04400	D
91H20-00480	A
MD024719	B

NISSAN

11810-75T00	A
11810-A3501	C
11810-F0502	C

TCM

212T1-09141	A
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TOYOTA

Part#	Type
12204-76014-71	A
12204-U2120-71	E
12204-U3160-71	D

YALE

5800468-73	F
9000062-76	D
9012908-19	A

VOLTAGE REGULATORS



Type
A



Type
B



Type
C

HYSTER

Part#	Type
314761	C
314761G	C

KALMAR AC

4940340	A
4940340G	A
8626436	C
8626436G	C

KOMATSU

Part#	Type
34C-55-12820	A
34C-55-12820G	A

MITSUBISHI / CAT

MD001821	C
MD001821G	C

NISSAN

Part#	Type
23500-L2910	A
23500-L2910G	A

TCM

25532-42001	A
25532-42001G	A

TOYOTA

Part#	Type
27700-22000-71	B
27700-22000-71G	B
27700-76003-71	B
27700-76003-71G	B

YALE

9293703-00	C
9293703-00G	C

NOTE: Part numbers ending with a "G" indicates generic version.

NEVER CHANGE POINTS OR CONDENSER AGAIN

The PerTronix (formerly Per-Lux) Ignitor solid-state electronic ignition system is the profitable answer for retro-fitting or OE replacement ignition systems. Installation is as easy as changing a set of points. No black boxes, extra wiring or special brackets are necessary. The complete unit fits **INSIDE THE DISTRIBUTOR!** Used by national rental fleets, parcel delivery services, large and small commercial fleets and in material handling vehicles worldwide, the Ignitor has a multi-million mile track record of flawless performance.



APPLICATION NOTES:

Great effort has gone into insuring the accuracy of this guide. The following pages represent the most common makes and models of each application. To insure that you select the correct part number, use these general guidelines:

- Read all footnotes before ordering.
- Unless otherwise noted, part numbers listed represent 12-volt negative ground kits. Many kits are available in 6-volt negative ground, as well as 6 and 12-volt positive ground. Add an N6, P6 or P12 suffix to the part number when ordering.
- Applications are based on the vehicle's original equipment. • An "LS" suffix indicates a Lobe Sensor version. Lobe Sensor technology senses the point cam, and does not use a magnet sleeve or magnet ring.
- Compatible coils can be found in the coil section of this catalog.
- If your application is not listed please contact us for information on possible custom kits.

ALLIS CHALMERS

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1957-58	4	4B-153, 4B-182	55, 56, 57, 79	IAD-6003-1A	Autolite	1541	91541
1965-68	4	H4 Crawler Tractor	22, 55, 57, 79	1112665	Delco	1145A	91145A
1969-72	4	FP-20, 30; FT20, 25; FTB30-24	22, 55, 57, 79	1112455	Delco	1145A	91145A
1969-72	4	FP-20, 30; FT20, 25; FTB30-24	24, 79	1112486	Delco	1146A	91146A
1969-72	4	F30, 40, 50; FP40, 50	24, 79	1112460	Delco	1146A	91146A
1971-74	4	G138, 160, 226	24, 79	1112688	Delco	1146A	91146A
1972	4	Model 600	22, 55, 57, 79	1112490	Delco	1145A	91145A
1973	4	AC-C20, 25, 30, 35, 40, 45, 50, 55;	22, 55, 57, 79	1112490	Delco	1145A	91145A
1973	4	AC-P20, 25, 30; FP-40, 55; Model 500	22, 55, 57, 79	1112490	Delco	1145A	91145A
1973	4	AC-C20, 25, 30, 35, 40, 45, 50, 55; AC-P20, 25, 30	24, 79	1112460, 86	Delco	1146A	91146A
1973	4	FP-40, 55; Model 500	24, 79	1112460, 86	Delco	1146A	91146A
1974	4	AC-C35, 40, 45, 50, 55; AC-P40, 50	24, 79	1112460	Delco	1146A	91146A
1975-82	4	Continental F163 engines	55, 57, 79	IBT-4701C	Prestolite	1542	91542
1976	4	Continental F163 engines	2, 21	IDJ-4008	Prestolite	2542	
1957-58	6	6B-230, 6B-273	56, 57, 79	IAD-6001-1B	Autolite	1561	91561
1967-69	6	TL545 Tractor Loader	56, 57, 79	1112668, 1111311	Delco	1163A	91163A
1969-73	6	F60, 70, 80, 100, 120, FP60, 70, 80	56, 57, 79	1112461	Delco	1163A	91163A
1969-74	6	G262	56, 57, 79	1112461	Delco	1163A	91163A
1973-74	6	All AC-C, AC-P Series	56, 57, 79	1112461	Delco	1163A	91163A
1975-82	6	All Continental F Series	55, 57, 79	IBT-6705, 01D	Prestolite	1562	91562

BAKER

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1961-66	4	Hercules IXLB engines	55, 56, 57, 79	IAD-6003B	Auto/Prestolite	1541	91541
1963-82	4	Continental F163 engines	55, 57, 79	IBT-4701	Prestolite	1542	91542
1960-62	6	Type Me-1A Towing Tractor with Chrysler engine	56, 57, 79	IAD-4039-1	Autolite	1561	91561
1972-81	6	Continental F226, F245 engines	55, 57, 79	IBT-6701D	Prestolite	1562	91562

CASE

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	148 gas engine	55, 56, 57, 79	IAD-6003-2K	Autolite	1541	91541
All	4	Utility 435-LCK, (Own G188); 480CK	55, 56, 57, 79	IAD-6003-2J	Autolite	1541	91541
All	4	Lift Truck 580CK, (Own G159); Utility 500, 535, CLK	55, 56, 57, 79	IAD-6003-2F	Autolite	1541	91541
All	4	P-50 Hydra Place (Own G188)	55, 56, 57, 79	IAD-6003-2F	Autolite	1541	91541
All	4	SK1D (Gas, LPG)	55, 56, 57, 79	IAD-6003-1B	Autolite	1541	91541
All	4	319 Power Unit	55, 56, 57, 79	IAD-6003-2J	Autolite	1541	91541
All	4	Lift Trucks (Own VA 339)	55, 56, 57, 79	IAD-6003-2F	Autolite	1541	91541
All	4	W5AG (188 engine); 480CK, 580CK, (G-148, 159)	55, 57, 79	IBT-4403A	Prestolite	1542	91542
All	4	Utility 680CK, (Own A267)	79	IBT-4404, A	Prestolite	1542	91542
All	4	A-267; A-284G Power Unit, (Own A284)	79	IBT-4404, A	Prestolite	1542	91542
All	4	5400C Airport Tractor	55, 57, 79	IBT-4402A	Prestolite	1542	91542
All	4	W7, W9AG Loaders (A284 engine)	55, 57, 79	IBT-4402	Prestolite	1542	91542
All	4	1737S loader	2	IDD-4104	Prestolite	2542	

CATERPILLAR

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1976-80	4	Industrial engine	55, 57, 79	IBT-4701	Prestolite	1542	91542
1980-82	4	Lift Truck		IDJ-4005	Prestolite	2542	
1977	6	Industrial engine	21, 55, 57, 79	IBT-6702	Prestolite	1562	91562
1979	6	Lift Truck	21, 55, 57, 79	IDJ-4014	Prestolite	1562	91562
1979-80	8	Lift Truck (IHC-V345 engine)		IDN-4102B	Prestolite	1485A	

CHEVROLET

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1963-65	4	153 cid. engine with vacuum advance distributor	29, 79	Delco	1144A	91144A	

PERTRONIX IGNITION SYSTEMS

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CHEVROLET

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1963-75	6	194, 230, 250, 292	8, 79	Delco	1162A	91162A	
1956-76	8	All models	19, 79	Delco	1181	91181	
1956-76	8	All models	13, 19	Delco	1181LS		

CHRYSLER

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	6	5A, 6A, 7A, 8A, 13, 13A, 14A, 15A, 16A, 22A	56, 57, 79	IAD, IAO Series	Autolite	1561	91561
All	6	32, 33, 908A, 931	56, 57, 79	IAD, IAO Series	Autolite	1561	91561
All	6	5A, 6A	55, 57, 79	IAT Series	Autolite	1562	91562
All	6	H-170; H-225, 236, 251, 265, 313	55, 57, 79	IBR-4202	Auto/Prestolite	1562	91562
All	6	H-225	8, 79		Chrysler	1361A	91361A
All	8	H, HB, HT-318, HT-361, 413, 475, 476	8, 79		Chrysler	1381A	91381A
All	8	M273, ML318, ML340	79	IBM-7004B	Prestolite	1581	91581

CLARK

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1964-65	4	C-20, 20P, 20SU, 25, 25SU, 30, 40	21, 22, 55, 57, 79	1112637	Delco	1145A	91145A
1964-65	4	CF-20, 25; CY-20, 30	21, 22, 55, 57, 79	1112637	Delco	1145A	91145A
1966	4	C-20 - 50; CF-20, 30, 40, 50; Clarkette, Towtractor	21, 22, 55, 57, 79	1112673	Delco	1145A	91145A
1967-70	4	C-20, 20SU, 30B, 40B, 50B; CF-20, 30B, 40B, 50B	21, 22, 55, 57, 79	1112673	Delco	1145A	91145A
1967-70	4	CY-20, 25, 30B, 40B, 50B	21, 22, 55, 57, 79	1112673	Delco	1145A	91145A
1967-78	4	C-500-30, 35, 40, 45, 50, 55;	21, 79	1112685	Delco	1146A	91146A
1967-78	4	C-500H-40, 45, 55; Y-40, 45, 50, 55	21, 79	1112685	Delco	1146A	91146A
1969-71	4	Clarkette; IT-30, 40	21, 22, 55, 57, 79	1112673	Delco	1145A	91145A
1971	4	C-20, 25; CF-20, 25; CY-20; CFY-20	21, 22, 55, 57, 79	1112673	Delco	1145A	91145A
1972-78	4	C500-20, 20P, 25, 25P; C-500F-20P, 25P	2, 21, 55, 57, 79	IBT-4105	Prestolite	1542	91542
1972-78	4	C-500Y-20, 25, 30	2, 21, 55, 57, 79	IBT-4105	Prestolite	1542	91542
1972-78	4	C-500YF-20, 25, 30; IT-40B, Clarkat	2, 21, 55, 57, 79	IBT-4105	Prestolite	1542	91542
1972-78	4	C500-20, 20P, 25, 25P; C-500F-20P, 25P	21, 22, 55, 57, 79	1112673	Delco	1145A	91145A
1972-78	4	C-500Y-20, 25, 30	21, 22, 55, 57, 79	1112673	Delco	1145A	91145A
1972-78	4	C-500YF-20, 25, 30; IT-40B, Clarkat	21, 22, 55, 57, 79	1112673	Delco	1145A	91145A
1975-78	4	C500-30, 35, 40, 45, 50, 55; C-500H-40, 45, 50, 55	21, 79	1111700	Delco	1146A	91146A
1975-78	4	Y-40, 45, 50, 55	21, 79	1111700	Delco	1146A	91146A
1977-78	4	Clarkat; IT40B	21, 22, 55, 57, 79	1112673	Delco	1145A	91145A
1977-83	4	All models	21, 55, 57, 79	IBT-4706	Prestolite	1542	91542
1982	4	D176 (Waukesha engine)	2, 21	IDU-4403	Prestolite	2542	
1982	4	F163 TCM engine	2	IDU-4404	Prestolite	2542	
1982-84	4	Lift Truck	2	IDU-4003, 04	Prestolite	2542	
1956-66	6	All models	56, 57, 79	IAD-6001D	Auto/Prestolite	1561	91561
1964-65	6	C-60; CY-60; CFY-60	21, 56, 57, 79	1112628	Delco	1163A	91163A
1966	6	CT-20, 30, 40, 50; UT- 60, 70, 80, 100	21, 56, 57, 79	1112672	Delco	1163A	91163A
1966	6	HUT-60, 70, 80, 100; Y60, 100	21, 56, 57, 79	1112672	Delco	1163A	91163A
1966-70	6	C & CF 60, 70, 80; CH-60, 70, 80 CY-60, 70, 80	21, 56, 57, 79	1112672	Delco	1163A	91163A
1966-71	6	C-100, 120; CY-100, 120; Ranger 40, 60	21, 56, 57, 79	1112672	Delco	1163A	91163A
1967-69	6	IT-60	21, 56, 57, 79	1112672	Delco	1163A	91163A
1972-78	6	C-500H-60, 70, 80; C500-100, 200	21, 56, 57, 79	1112672	Delco	1163A	91163A
1972-78	6	C-500Y-100, 130, 150; Ranger 40, 60	21, 56, 57, 79	1112672	Delco	1163A	91163A
1977-83	6	All models	21, 55, 57, 79	IBT-6703	Prestolite	1562	91562
1982	6	F227 TCM engine	55, 57, 79	IDU-4602	Prestolite	1562	91562

CONTINENTAL

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	F4, G, H, J, N, Y engines	21, 55, 56, 57, 79	IAD Series	Autolite	1541	91541
All	4	F-163 engine	2	IDJ-4008	Prestolite	2542	
All	4	F4 engine	55, 57, 79	IBT-4501,701	Auto/Prestolite	1542	91542

CONTINENTAL

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	F4 and Y engines	21, 56	IGW Series	Autolite	1545	
All	4	F4 engine	21, 22, 55, 57, 79		Delco	1145A	91145A
All	6	B, E, M engines	21, 56, 57, 79	IAD-6002	Autolite	1561	91561
All	6	F6 engine	21, 56, 57, 79		Delco	1163A	91163A
All	6	F6, K, R, S, T, U engines	56, 57, 79	IAD Series	Autolite	1561	91561
All	6	F6, M engines	21, 55, 57, 79	IBT-6501, 701, 702	Auto/Prestolite	1562	91562

DATSUN / NISSAN

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	D-11, H20 engines			Hitachi	1741	
All	4	H-20 engine	79		Mitsubishi	1943	91943
All	6	H-30, P-40 engine			Hitachi	1761	

DODGE

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1961-73	6	All models	8, 79		Chrysler	1361A	91361A
1973-81	6	All models	2, 15, 79		Chrysler	CH-161	9CH-161
1959-71	8	383, 413, 426, 440 cid. engine (Hemi Included)	10		Chrysler	1382	
1962-73	8	All models	8, 79		Chrysler	1381A	91381A
1969-73	8	All models	79		Holley	1481	91481
1973-81	8	All models	2, 15, 79		Chrysler	CH-181	9CH-181
1974-83	8	404, 446 cid.	2, 33, 79		Prestolite	1484A	91484A

EATON, YALE, TOWNE

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1955-62	4	F-162 Continental engine	55, 56, 57, 79	IAD-6004-1D	Autolite	1541	91541
1963	4	All models	55, 56, 57, 79	IAD-4043	Autolite	1541	91541
1965-66	4	GLF, GLFP, GLFW, GLT	21, 22, 55, 57, 79	1112637	Delco	1145A	91145A
1968-75	4	JX4D Hercules engine	55, 56, 57, 79	IAD-4037	Autolite	1541	91541
1973-81	4	Mazda engine	2	IDJ-4010	Prestolite	2542	
1975-82	4	GC, GP 20-30 (Mazda engine)		9022313-00	Mazda	MA-141	
1976-77	4	F-163 Continental engine	2	IDJ-4008	Prestolite	2542	
1976-79	4	Ford engine	2	IDJ-4006	Prestolite	2542	
All	4	F-124 Continental engine	55, 56, 57, 79	IAD Series	Autolite	1541	91541
1955-60	6	All models	56, 57, 79	IAD-4039-1	Autolite	1561	91561
1969	6	Lift Truck	55, 57, 79	IBD-4009UT	Prestolite	1562	91562
1977-79	6	225 Chrysler engine	55, 57, 79	IDJ-4011	Prestolite	1562	91562
All	6	Chrysler engine	56, 57, 79	IAD-4039-1	Autolite	1561	91561

ELGIN SWEEPER

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1963-69	8	H Street King	79	1112744	Delco	1181	91181
1965-70	8	Pelican, White Wing, Fleet Wing	79	1112744	Delco	1181	91181

FORD

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	172 & 192 engine	55, 56, 57	311185	FoMoCo	1244A	
1984	6	300 engine	79	E4JE-12127-BA	FoMoCo	1263	91263
1963-67	6	All models (excluding V-6 engine)	55, 79		Holley	1266	91266
1949-74	6	All models (excluding V-6 engine)	79		Motorcraft	1261	91261
1975-77	6	300 cid. engine	79	D5TE-12127VA	FoMoCo	1262	91262
1968-84	6	200 engine	79	D3JF-12127-BA	FoMoCo	1261	91261
1986	8	460 engine	2, 20, 79	E3TZ-12127-BAA	FoMoCo	FO-182	9FO-182
1974-76	8	All models	2, 17, 79		FoMoCo	FO-181	9FO-181
1958-78	8	All models (excluding '58 & '59 272 engine)	79		FoMoCo	1281	91281

PERTRONIX IGNITION SYSTEMS

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FORD							
Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1976-79	8	534 engine	2, 17, 79	D6HZ-12127-E	FoMoCo	FO-181	9FO-181
1977-83	8	All models	2, 20, 79		FoMoCo	FO-182	9FO-182
GMC							
Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1963-66	4	153 cid. engine	79		Delco	1144A	91144A
1960-64	6	305-C, 351, 401, 478 cid. V6 engine	79		Delco	1164	91164
1963-64	6	All models (excluding 305-C, 351, 401, 478 cid.V6)	79		Delco	1162A	91162A
1965-74	6	V6 engine	79		Delco	1162A	91162A
1958-76	8	All models	19, 79		Delco	1181	91181
1958-76	8	All models	13, 19		Delco	1181LS	
HERCULES ENGINE							
Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	G1400, 1600 (gas engine)	55, 56, 57, 79	IAD-6013	Autolite	1541	91541
All	4	G, GO, IX, IXB, JX, ZX, ZXA, ZXB, CU4-180, 00	55, 56, 57, 79	IAD Series	Autolite	1541	91541
All	4	IX, ZX Series	56	IGW Series	Autolite	1545	
All	4	G1600	55, 57, 79	IBT-4405	Prestolite	1542	91542
HYSTER							
Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1965-66	4	Lift Truck	21, 22, 55, 57, 79		Delco	1145A	91145A
1967-69	4	Challenger H40F, 50F, Lift Truck	21, 22, 55, 57, 79	1112443	Delco	1145A	91145A
1967-69	4	Spacesaver S-30B, 40B, 50B Lift Truck	22, 55, 57, 79	1112635	Delco	1145A	91145A
1967-69	4	Spacesaver S-40C, 50C Lift Truck	22, 55, 57, 79	1112677	Delco	1145A	91145A
1967-69	4	Spacesaver S-30B, 40B, 50B Lift Truck	79	1112627	Delco	1146A	91146A
1972-78	4	Challenger H-20, 25, 30, 60, 70	21, 22, 55, 57, 79		Delco	1145A	91145A
1972-78	4	Spacesaver S-20, 25, 30, 40, 50 Lift Truck	21, 22, 55, 57, 79		Delco	1145A	91145A
1978-79	4	Misc. Models	21, 55, 57, 79	IBT-4705	Prestolite	1542	91542
1979-83	4	Misc. Models	55, 57, 79	IBT-4707	Prestolite	1542	91542
All	4	450XL		326835	Mazda	MA-141	
1962	6	Challenger H250A Lift Truck	79	1110262	Delco	1164	91164
1963-66	6	Straddle Truck & Lift Truck	79	1110262	Delco	1164	91164
1965-66	6	Straddle Truck & Lift Truck	56, 57, 79	1110317	Delco	1163A	91163A
1967-78	6	Lift Truck	21, 56, 57, 79		Delco	1163A	91163A
1978-79	6	Misc. Models	21, 55, 57, 79	IBT-6702	Prestolite	1562	91562
1979-83	6	Misc. Models	55, 57, 79	IBT-6704	Prestolite	1562	91562
JOHN DEERE							
Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1962-72	4	500, 500C 3020 Series Tractor	22, 55, 57, 79	1112474, 1112648	Delco	1145A	91145A
1962-70	6	600, 4020 Series Tractor	56, 57, 79	1112624	Delco	1163A	91163A
1971-72	6	420	56, 57, 79	1112466	Delco	1163A	91163A
KOMATSU							
Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	Hercules 1600 engine	2		Prestolite	2542	
1990 later	4	Nissan engines			Hitachi	1741	
1990 earlier	4	Nissan engines	79		Mitsubishi	1943	91943
All	6	P-40 engine			Hitachi	1761	
MASSEY FERGUSON							
Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1956-59	4	MHF-3, 4	55, 56, 57, 79	IAD-6004-2H	Autolite	1541	91541
1963-64	4	MF-202, 204, 356 Tractor	22, 55, 57, 79	1112643	Delco	1145A	91145A

MASSEY FERGUSON

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1966-68	4	MF-302, 304, 356, 2135, 2200, 2500, 3165	22, 55, 57, 79	1112643	Delco	1145A	91145A
1969	4	MF-3165 Tractor	22, 55, 57, 79	1112458	Delco	1145A	91145A
1971-78	4	MF-30 Tractor	22, 55, 57, 79	1112458	Delco	1145A	91145A
1974-78	4	MF-4000, MF-4500, MF6000	22, 55, 57, 79	1112693	Delco	1145A	91145A
All	4	MF302, 304, 356 (Continental GF-193 engine)	22, 55, 57, 79	1112644	Delco	1145A	91145A
All	4	MF2135, MF2200, MF2500 (Continental engine)	22, 55, 57, 79		Delco	1145A	91145A
All	6	MF1100, MF1105 (Waukesha F320G, LPG)	56, 57, 79		Delco	1163A	91163A

MICHIGAN

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	6	C16, C24, T6K, T64, T66, TLDT-20, TMDT-16, -20	56, 57, 79		Autolite	1561	91561

MINNEAPOLIS-MOLINE

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1950-66	4	M (Hercules IBX engine)	55, 56, 57, 79	IAD-6003B	Auto/Prestolite	1541	91541
1950-66	4	B (Continental Y-112 engine)	21, 56	IGW-4139	Auto/Prestolite	1545	
1962-78	4	MA-30, MA-40, MA-50 Lift Truck	55, 57, 79	IBT-4702	Prestolite	1542	91542
1965-66	4	HD-220-4A Power Unit	22, 55, 57, 79	1112671	Delco	1145A	91145A
1965-71	4	HD-336A-4A Power Unit	57, 79	1112660, 661	Delco	1146A	91146A
1966-68	4	MY-40, MY-60 Lift Truck	22, 55, 57, 79	1112642, 671	Delco	1145A	91145A
1968-72	4	MA-20, MA-25, WC-20, WC-25, WC-305 Lift Truck	56	IGW-4303	Autolite	1545	
1969-71	4	HD-220-4A Power Unit	22, 55, 57, 79	1112642	Delco	1145A	91145A
1950-66	6	D, L Chrysler 30 engine	56, 57, 79	IAD-4039-1	Auto/Prestolite	1561	91561
1963-71	6	HD-425-6A, 504A-6A, 605A-6A, 800-6A Power Unit	56, 57, 79	1112638	Delco	1163A	91163A
1974-78	6	G-1400, 1600 (Hercules gas engine)	56, 57, 79	IAD-6013	Prestolite	1561	91561

MITSUBISHI

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	4G33 engine	79	MD-009102	Mitsubishi	1941	91941
All	4	4G52 engine	79	MD-025752	Mitsubishi	1942	91942

MOBILIFT

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	M, MSA (Hercules IBX engine)	21, 55, 56, 57, 79	IAD-6003, 4	Autolite	1541	91541
All	4	MA-30, MA-40, MA-50	55, 57, 79	IBT-4702	Prestolite	1542	91542
All	4	B (Continental Y-112 engine)	21, 56	IGW-4139	Autolite	1545	
All	6	D, L (Chrysler 30 engine)	56, 57, 79	IAD-4039-1	Autolite	1561	91561

PETTIBONE MERCURY

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1978-80	4	(F-163 Continental engine)	2, 21	IDJ-4008	Prestolite	2542	
1979-82	6	All models	21, 55, 57, 79	IDJ-4013	Prestolite	1562	91562

TCM

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	FG, FCG 10-25 Series Lift Truck (Nissan H-20 engine)			Hitachi	1741	
All	6	FG, FCG 30, 35 Series Lift Truck (Nissan H-30 PPU)			Hitachi	1761	

TEREX DIVISION (GMC) (WITH CONTINENTAL ENGINE)

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1972	4	T-30, 40, 50, 60, V-30, 40, 41, 50, 51, 60, Lift Truck	22, 55, 57, 79	1112677	Delco	1145A	91145A
1972	6	540, 600, 670, 760-P, 860-P, 960-PLT	22, 56, 57, 79	1112444	Delco	1163A	91163A
1972	6	V-30, 40, 41, 50, 51, 60	22, 56, 57, 79	1112444	Delco	1163A	91163A

PERTRONIX IGNITION SYSTEMS

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THERMO-KING

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	Thermo King MQ-21 Refrig. Unit	55, 56, 57, 79	IAD-4038	Autolite	1541	91541
All	4	Waukesha 1CK engine	55, 56, 57, 79	IAD-6004A	Autolite	1541	91541

TOWMOTOR

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1950-51	4	LT-40, 44, 48, 50, 60	56	IGW-4044A	Autolite	1545	
1950-56	4	LT-35, 350	56	IGW-4044A, 4191A	Autolite	1545	
1955-62	4	Continental Y-91 engine	55, 56, 57, 79	IAD-6004-1D	Autolite	1541	91541
1957-65	4	350 Lift Truck Continental N-62	56	IGW-4191A	Autolite	1545	
1959-70	4	331 Lift Truck	56	IGW-4403A	Auto/Prestolite	1545	
1960-70	4	442, 462, 502P, 601P	55, 57, 79	IBT-4701A	Prestolite	1542	91542
1962-70	4	502, 601	55, 57, 79	IBT-4701C	Prestolite	1542	91542
1965-67	4	350 Lift Truck	56	IGW-4501	Autolite	1545	
1966-73	4	Lift Truck Waukesha 1CK engine	56	IGW-4502	Auto/Prestolite	1545	
1970-79	4	Lift Truck	55, 57, 79	IBT-4701C	Prestolite	1542	91542
1971-80	4	Continental F, Y engine	55, 57, 79	IBT-4701C	Prestolite	1542	91542
1972	4	Lift Truck; T-30, 40, 50, 60; V30, 40, 41, 50, 51 60	22, 55, 57, 79	1112677	Delco	1145A	91145A
1975-78	4	V60C Lift Trucks Perkins G4-236 engine	2	IDJ-4005	Prestolite	2542	
1976-80	4	V60-80 Lift Trucks Perkins G4-236 engine	2	IDJ-4005A	Prestolite	2542	
1978-79	4	All Y112, F163, F185 Continental engine	2, 21	IDJ-4012	Prestolite	2542	
1962	6	Lift Truck; 850, 950	56, 57, 79	1112622, 630	Delco	1163A	91163A
1972	6	Lift Truck; Continental F227 engine	56, 57, 79	1112444	Delco	1163A	91163A
1972-79	6	Lift Truck Continental F226, F245 engine	21, 55, 57, 79	IBT-6702	Prestolite	1562	91562
1977	6	Continental F227, 245 engine	55, 57, 79	IDJ-4013	Prestolite	1562	91562
1979	8	Large Lift Truck V345 engine	2	IDN-4102B	Prestolite	1485A	

TOYOTA INDUSTRIAL

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	FG-25, FGC-15, FGC-25, 2FGC-20,	79		Toyota	1641	91641
All	4	3-FG-10, 15; 3-FGC-20, 25; 4-FGC-20, 25	79		Toyota	1641	91641
All	4	02-FG-25, 02-FGC-10, 02-FGC-15, 02-FGC-20,	79		Toyota	1641	91641
All	4	02-FGC-25, 40-FG-20, 42-FG-20	79		Toyota	1641	91641
All	4	FGC-10 (5R engine)	79		Toyota	1641	91641
All	6	2FG-50, 60, 3FG-32, 35, 40, 50, 60	79		Toyota	1661	91661
All	6	FG-32, 35, 40 (F engine), 2FG-32, 35, 40 (2F engine)	79		Toyota	1665A	91665A

UNIVERSAL

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	AF	56	IGW-4116A	Autolite	1545	

VOLKSWAGON INDUSTRIAL ENGINE

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1969-72	4	Type 122/2, Type 126/A		231117007	Bosch	1847V	
1971-75	4	Type 127 (1m 127 engine)		231117007	Bosch	1847V	
1973-75	4	Type 122/2, Type 126/A ((1m 122 engine)		231178003, 009	Bosch	1847V	

WAUKESHA

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1950-73	4	IC series	56	IGW-4118A, 4301	Autolite	1545	
1959-67	4	FC, FCS, FS14	56	IGW-4301, 4303	Auto/Prestolite	1545	
1972-73	4	FC-4	22, 55, 57, 79	1112455	Delco	1145A	91145A
1972-74	4	18GKB	79	1112463, 470	Delco	1146A	91146A
1975-78	4	VRG-155 engine	79	1112470	Delco	1146A	91146A
All	4	H-1077G	22, 55, 57, 79		Delco	1145A	91145A
All	4	FC series	22, 55, 57, 79	1112455	Delco	1145A	91145A

WAUKESHA

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
All	4	180 DCK, GKB	79	1112463, 470	Delco	1146A	91146A
1963-66	6	190	56, 57, 79	1112682	Delco	1163A	91163A
1967-70	6	265G, 283	56, 57, 79	1112682	Delco	1163A	91163A
1968-70	6	320G, LPG	56, 57, 79	1112687, 696	Delco	1163A	91163A
1968-73	6	F-554G Standard	56, 57, 79	1112465	Delco	1163A	91163A
1968-82	6	F-817G, F1197G Standard	56, 57, 79	1112465	Delco	1163A	91163A
All	6	135GZ	56, 57, 79	1112462	Delco	1163A	91163A
All	6	195GK, F320G	56, 57, 79	1112687, 96	Delco	1163A	91163A

WHITE

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1969-72	4	MY-40, 50, 60, 70	22, 55, 57, 79	1112642	Delco	1145A	91145A
1972	4	HD-425A-6A, 336A-4 1, 504A-6A, 605B-6A, 800-6A	79	112660, 661	Delco	1146A	91146A
1975-81	4	MA20, 25, 30, Lift Truck	22, 55, 57, 79	1112487	Delco	1145A	91145A
1976-82	4	Misc. Models	55, 57, 79	IBT-4702, 4405	Prestolite	1542	91542
1977-83	4	G-1600	55, 56, 57, 79	IAD-6013	Prestolite	1541	91541
1969-74	6	MA20 thru MA100, WC-20, 30, 40, 50	56, 57, 79	1112444	Delco	1163A	91163A
1975-81	6	MA60H, 70, 80, 90, 100, 120 Lift Truck	56, 57, 79	1112444	Delco	1163A	91163A
1966-69	8	470 cid. engine	79	D-4108A	Holley	1481	91481

WISCONSIN

Year	Cyl	Model	Footnotes	Dist. Number	Dist. Make	Ignitor	Ignitor II
1950-90	1	All models	55, 56, 57	IGW-Series	Auto/Prestolite	1511	
1950-65	4	VP4, VP4D	56	IGW-4187A	Auto/Prestolite	1545	
1953-67	4	VG4D, VH4, VH4D, VH4DM, VR4, VR4D	21, 55, 56, 57, 79	IAD-6004-2F	Auto/Prestolite	1541	91541
1955-60	4	ACN, AENL, BKN		IGW-4179	Autolite	1545	
1955-63	4	VR4D	21, 55, 56, 57, 79	IAD-6004-2F	Auto/Prestolite	1541	91541
1955-65	4	ABN,ACH,AEH,AEN, AENS, AFH, AHH, AKS	56	IGW-4167	Auto/Prestolite	1545	
1960-61	4	ACN, AENL, AGND, BKN	56	IGW-4402, 05	Autolite	1545	
1961-64	4	V460D	21, 55, 56, 57, 79	IAD-6004-2F	Auto/Prestolite	1541	91541
1968-79	4	VG4D, VH4, VH4D, VH4DM, V461D	21, 55, 56, 57, 79	IAD-6004-2N	Prestolite	1541	91541
1969-73	4	LTV All Terrain Vehicle (VH engine)	55, 56, 57, 79	IAD-6012	Prestolite	1541	91541
1974-79	4	VG4D	55, 56, 57, 79	IAD-6004-2R	Prestolite	1541	91541
1982	4	V461D, V465D	21, 55, 56, 57, 79	IAD-6004-2N	Prestolite	1541	91541
1983	4	Misc. Models	55, 57, 79	IBT-4709	Prestolite	1542	91542
All	4	VE4D	56	IGW-4159A	Autolite	1545	
All	4	VPO-4	56	IGW-4159A	Autolite	1545	
All	4	VE4, VF4, VF4D, VP4, VP4D	56	IGW-4151, 59	Autolite	1545	
All	4	V460D, 461D, 465D	22, 55, 57, 79	1112695	Delco	1145A	91145A

FOOTNOTES:

- | | |
|---|--|
| <p>2) Factory electronic ignition</p> <p>8) Single point distributor</p> <p>10) Dual point distributor</p> <p>13) Lobe sensor module</p> <p>15) Excluding lean burn computer controlled engines</p> <p>17) Small cap distributor</p> <p>19) Mechanical advance at top of shaft</p> <p>20) Large cap distributor</p> <p>21 See page 62 for complete replacement distributors</p> <p>22) Clockwise rotation</p> <p>24) Counter clockwise rotation</p> <p>26) Excluding distributor number YL670AV</p> | <p>27) Screw down cap</p> <p>28) Clip down cap</p> <p>29) Excluding distributor number IAD-4036</p> <p>33) Vacuum advance distributor</p> <p>34) Non vacuum advance distributor</p> <p>43) Odd fire engine</p> <p>55) Also available in 6-volt negative ground, add N6 to part number</p> <p>56) Also available in 6-volt positive ground, add P6 to part number</p> <p>57) Also available in 12-volt positive ground, add P12 to part number</p> <p>58) OMC; Stringer, Cobra and King Cobra applications with Electronic Shift Assist may require slight wiring modification.</p> <p>79) Ignitor II applications can not be used with solid core ignition wires</p> |
|---|--|

PERTRONIX DISTRIBUTORS

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D21-11A



D21-12A



D21-13A



D33-03A



D41-01A



D41-05A



D41-09B



D41-10B



D41-19A



D41-20A



D43-04B



D61-06A



D61-19B

PerTronix is the leading producer of electronic distributors for gas, propane and LP powered industrial engines. Many Wisconsin and Continental engines are equipped with our industrial distributors from the factory. Proven performance, reduced maintenance downtime, improved economy, faster starts and extended tune-up intervals. Our industrial distributors are also direct replacements for many point type Delco, and Prestolite distributors.

FEATURES:

- Durable yet lightweight housing.
- Integrated Ignitor Electronic technology.
- Superior venting system.
- O-ring seal prevents oil leakage.
- Precision engineered module switches 2 times more energy than other electronic ignition system.
- Timing remains constant with an amazing 1/4° accuracy all the way down to zero RPM.
- Effective RPM range of 0 to 6000.
- Non-tracking cap and rotor.
- Warranty: 30 months Ignitor module / 90 days mechanical.



**NEVER
CHANGE
POINTS
AGAIN!™**

ALLIS CHALMERS

Year	Cyl	Model	Part#
1969-74	4	All Models with clockwise distributor	D41-19A

CONTINENTAL

Year	Cyl	Model	Part#
All	3	TM-20 engine Models	D33-03A
All	4	TM-27 engine Models	D43-04B
1940-65	4	F4 Series F124, F4124, F140, F4140, FA140 F162, F4162, FA162	D41-05A
1965-present	4	F4 Series F135, F163	D41-05A
1965-present	4	Y4 Series Y69, Y91, Y112, YA112, IY112, Y4069, Y4091, Y4112	D41-05A
1940-65	6	F6 Series F170, F186, F209, F218, F224, F226, F244, F6170, F6186, F6209, F6226, F6244	D61-06A
1965-present	6	F6 Series F227, F245, F6227	D61-06A

4 cylinder and 6 cylinder Continental distributors replace the original Prestolite and/or Delco-Remy distributors in F4, F6 and Y4 series engines manufactured since 1965 and require no modifications. On engines prior to 1965 some modifications may be necessary.

PERKINS

Year	Cyl	Model	Part#
1992 prior	4	G4236 engine	D41-20A

WAUKESHA

Year	Cyl	Model	Part#
1970-92	4	D155G, D176G, VRG220	D41-01A

WISCONSIN

Year	Cyl	Model	Part#
1955-present	1	Model BKN	D11-18A
1957-present	1	Model AENL	D11-18A
1968-present	2	Model TJD	D21-12A
1980-present	2	Model W2-1230, W2-1235	D21-11A
1980-present	2	Model W2-880	D21-12A
1987-present	2	Model W2-1250	D21-11A
1956-present	4	Model VH4D (side mount)	D41-09B
1956-present	4	Model VH4D (top mount)	D41-10B
1967-present	4	Model V65D (side mount)	D41-09B
1975-present	4	Model W4-1770 (top mount)	D41-10B
1976-present	4	Model W4-1770 (side mount)	D41-09B

PERTRONIX DISTRIBUTOR CROSS REFERENCE

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CLARK

OEM#	Pertronix#
1636495	D41-01A
2372353	D41-01A
914528	D43-04B

COLT

OEM#	Pertronix#
FMD1C7	D11-18A
FMD2C7	D21-12A
FMD2C7-B	D21-11A
FMD4C7	D41-09B
FMD427A	D41-10B

CONTINENTAL

OEM#	Pertronix#
F162M-00232	D41-05A
F162M-00311	D41-05A
F162M-00315	D41-05A
F162M-00347	D41-05A
F162M-00412	D41-05A
F162M-00446	D41-05A
F162M-00462	D41-05A
F162M-00466	D41-05A
F186M-00202	D61-06A
F226M-00304	D61-06A
F226M-00309	D61-06A
F226M-00404	D61-06A
F226M-00407	D61-06A
F226M-00416	D61-06A
F226M-00421	D61-06A
F226M-00424	D61-06A
F226M-00433	D61-06A
F226M-00436	D61-06A
F244M-00406	D61-06A
F244M-00414	D61-06A
F244M-00523	D61-06A
F226M-00503	D61-06A
F400M-00305	D41-05A
F400M-00307	D41-05A
F400M-00392	D41-05A
F400M-00533	D41-05A
F400M-00411	D41-05A
F400M-00413	D41-05A
F400M-00449	D41-05A
F400M-00466	D41-05A
F400M-00472	D41-05A
F400M-00503	D41-05A
F400M-00507	D41-05A
F400M-00516	D41-05A
F400M-00518	D41-05A
F400M-00521	D41-05A
F400M-00531	D41-05A
F400M-00532	D41-05A
F401M-00405	D41-05A
F401M-00406	D41-05A
F600M-00305	D61-06A

CONTINENTAL

OEM#	Pertronix#
F600M-00314	D61-06A
F600M-00373	D61-06A
F600M-00380	D61-06A
F600M-00405	D61-06A
F600M-00439	D61-06A
F600M-00440	D61-06A
F600M-00449	D61-06A
F600M-00451	D61-06A
F600M-00502	D61-06A
F600M-00508	D61-06A
F600M-00509	D61-06A
F600M-00510	D61-06A
F600M-00518	D61-06A
F600M-00519	D61-06A
F600M-00525	D61-06A
TM13M-00501	D23-02A
TM20M-00500	D33-03A
TM20M-00501	D33-03A
TM20M-00503	D33-03AM
TM27M-00502	D43-04B
TM27M-00503	D43-04B
TM27M-00510	D43-04B
TM27M-00511	D43-04BM
Y112M-00237	D41-05A
Y112M-00305	D41-05A
Y112M-00500	D41-05A
Y400M-00281	D41-05A
Y112M-00311	D41-05A
Y91M-00411	D41-05A

DELCO

OEM#	Pertronix#
1110021	D61-06A
1110060	D61-06A
1110305	D61-06A
1110306	D41-05A
1110402	D41-05A
1110420	D41-05A
1110423	D41-05A
1111310	D41-05A
1111356	D41-05A
1111428	D41-05A
1111429	D61-06A
1111432	D41-05A
1111576	D41-05A
1111620	D61-06A
1111700	D41-01A
1111712	D41-05A
1111716	D41-05A
1111717	D41-05A
1111728	D61-06A
1111769	D61-12A
1111870	D61-12A
1111895	D61-06A
1111913	D61-06A

DELCO

OEM#	Pertronix#
1112461	D61-19B
1112508	D61-06A
1112552	D61-06A
1112567	D61-06A
1112604	D41-05A
1112628	D61-06A
1112637	D41-05A
1112672	D61-06A
1112673	D41-05A
1112685	D41-01A
1112789	D41-05A

MALLORY

OEM#	Pertronix#
YL-664A	D41-01A

PRESTOLITE

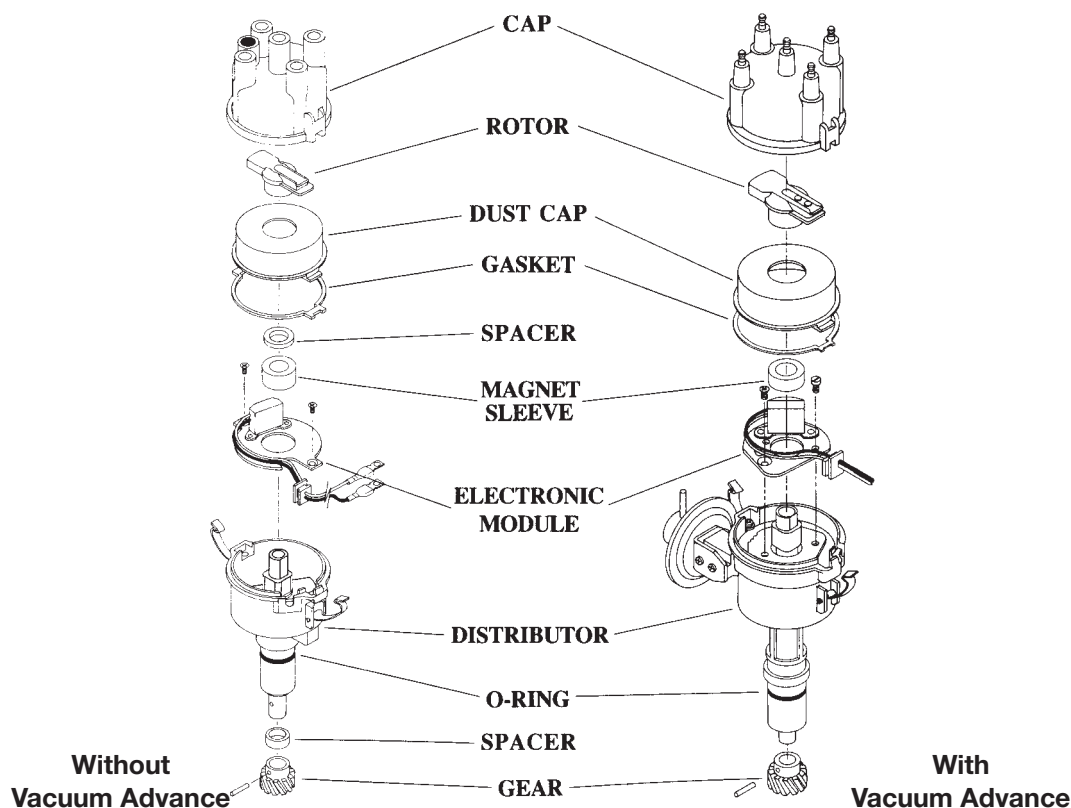
OEM#	Pertronix#
IAD-4029, A	D41-05A
IAD-4033	D61-06A
IAD-6002-1F	D61-06A
IAD-6003-2H	D41-05A
IAD-6004-1E	D41-05A
IAD-6004-2F, N	D41-09B
IAD-6004-2P	D41-10B
IAD-6006-1	D61-06A
IBT-4101H	D41-05A
IBT-4105A	D41-01A
IBT-4105B	D41-05A
IBT-4106, E	D41-27A
IBT-4106A	D41-28A
IBT-4106B, C, D	D41-26A
IBT-4201	D21-11A
IBT-4705	D41-05A
IBT-4706	D41-05A
IBT-6501D	D61-06A
IBT-6702, 03	D61-06A
IDJ-4008	D41-05A
IDJ-4012	D41-05A
IDJ-4013, 14	D61-06A
IDN-4012	D43-04B
IDN-4014	D33-03A
IDU-4403A, B	D41-01A
IDU-4406, 08	D41-20A
IGB-4045A	D41-05A
IGB-4304B	D61-06A
IGC-4722	D61-06A
IGC-6004-1	D41-05A
IGW-4139, C	D41-05A
IGW-4156A	D41-05A
IGW-4408	D11-18A
IGW-4412	D21-12A
IGW-6581B	D41-05A

WAUKESHA

OEM#	Pertronix#
60262K	D41-01A
69748A	D41-01A

WISCONSIN

OEM#	Pertronix#
YF-10C	D41-09B
YF-10D	D41-10B
YF-35	D21-12A
YF-40	D21-12A
YF-42	D21-11A
YF-45	D41-09B
YF-45A	D41-10B
YF-46	D21-12A
YF-48	D21-11A
YF-49	D11-18A
YF-50, YF-50C	D41-09B
YF-50A, YF-50D	D41-10B
YF-50B, YF-50E	D41-11B
YF-51, YF-51A	D21-11A
YF-52, YF-52A	D21-12A
YF-53	D11-18A
YF-54, YF-54A	D21-13A
YF-55, YF-55A	D41-24A
YF-8C	D11-18A



Distributor Number	Cap	Rotor	Cap Gasket	Dust Cover	Magnet Sleeve	Module	Drive	Advance Spring	Advance Weight	Vacuum Advance
D11-18A	022-1101	N/A	027-001	N/A	026-101	025-004B	N/A	N/A	019-1001	N/A
D21-11A	022-1203	020-1002	027-001	021-001	026-202	025-005B	023-1002	018-1005	019-1003	N/A
D21-12A	022-1202	020-1002	027-001	021-001	026-201	025-004B	023-1003	018-1004	019-1001	N/A
D21-13A	022-1204	020-1002	027-001	021-001	026-203	025-004B	023-1003	018-1004	N/A	N/A
D23-02A	022-1201	020-1001	027-002	021-001	026-201	025-002B	023-1001	018-1001	019-1001	N/A
D33-03A	022-1301	020-1001	027-002	021-001	026-301	025-002B	023-1001	018-1001	019-1001	024-001
D33-03AM	022-1301	020-1001	027-002	021-001	026-301	025-006B	023-1001	018-1001	019-1001	N/A
D41-01A	022-1403	020-1003	027-001	021-001	026-401	025-008A	023-1004	018-1007	019-1003	N/A
D41-05A	022-1403	020-1003	027-001	021-001	026-401	025-003A	023-1005	018-1002	019-1001	N/A
D41-09B	022-1403	020-1002	027-001	021-001	026-401	025-003A	023-1002	018-1003	019-1001	N/A
D41-10B	022-1403	020-1002	027-001	021-001	026-401	025-003A	023-1002	018-1003	019-1001	N/A
D41-19A	022-1403	020-1003	027-001	021-001	026-401	025-007A	023-1006	018-1008	019-1003	N/A
D41-20A	022-1403	020-1003	027-001	021-001	026-401	025-003A	023-1007	018-1009	019-1001	N/A
D43-04B	022-1404	020-1001	027-002	021-001	026-401	025-001A	023-1001	018-1001	019-1001	024-001
D61-06A	022-1602	020-1003	027-001	021-001	026-601	025-003A	023-1005	018-1002	019-1001	N/A
D61-19B	022-1602	020-1003	027-001	021-001	026-601	025-007A	N/A	018-1008	019-1003	N/A



Type
A



Type
B



Type
C



Type
D



Type
E



Type
F



Type
G



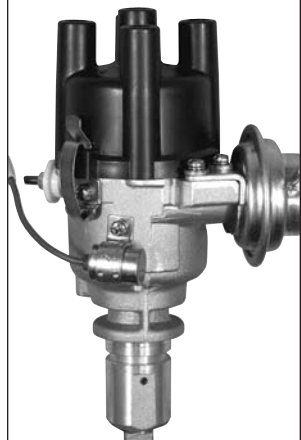
Type
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I



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J



Type
K



Type
L



Type
M



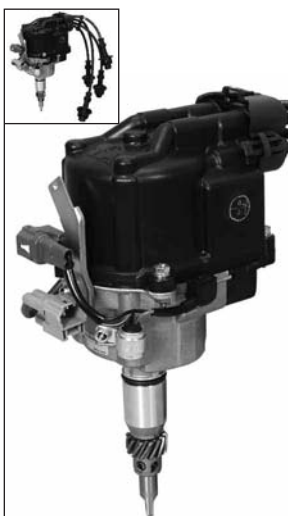
Type
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Type
O



Type
P



Type
Q



Type
R



Type
S

CLARK

Part#	Engine	Ignition	Style
909350	4G52 & 4G54	Elec.	A
911411	4G52 & 4G54	Elec.	A
918313	4G63 & 4G64	Elec.	B
923186	GM 4.3L	Elec.	L
923369	4G63 & 4G64	Elec.	B
925054	GM 3.0L	Elec.	M
928584	GM 4.3L	Elec.	L

DOOSAN

Part#	Engine	Ignition	Style
A218350	4G63 & 4G64	Elec.	B
A218732	GM 3.0L	Elec.	M
A232131	GM 4.3L	Elec.	L
D490742	H20	Elec.	F

HYSTER

Part#	Engine	Ignition	Style
1326547	VA	Elec.	D
1331330	GM 3.0L	Elec.	M
1371235	GM 4.3L	Elec.	L
1374322	GM 4.3L	Elec.	L
1376940	VA	Std.	K
1450869	GM 4.3L	Elec.	L
1453052	FE	Elec.	E
1453562	FE	Elec.	E
1554030	F2 & FE	Elec.	P
1559695	GM 4.3L	Elec.	N
2026758	FE	Elec.	E
2044946	FE	Elec.	E
375622	GM 4.3L	Elec.	L

KALMAR AC

Part#	Engine	Ignition	Style
4942371	H20	Std.	C
4947914	H30 & P40	Std.	I
8762077	H20II	Elec.	F

KALMAR AC

Part#	Engine	Ignition	Style
8762122	H25	Elec.	F

KOMATSU

Part#	Engine	Ignition	Style
22100-00H11	H20	Elec.	G
22100-50K15	H20II	Elec.	F
22100-52H70	TB42	Elec.	O
22100-60K15	H25	Elec.	F
22100-C7000	H30 & P40	Std.	I
22100-K7201	H20	Std.	C
22100-VB011	TB45	Elec.	S

MITSI / CAT

Part#	Engine	Ignition	Style
90420-00090	GM 4.3L	Elec.	L
90425-02250	TB45	Elec.	S
93720-09900	GM 4.3L	Elec.	N
MD021841	4G33	Elec.	A
MD169418	4G63 & 4G64	Elec.	B
MD326637	4G63 & 4G64	Elec.	B
MM115552	4G52 & 4G54	Elec.	A

NISSAN

Part#	Engine	Ignition	Style
22100-00H11	H20	Elec.	G
22100-50K15	H20II	Elec.	F
22100-52H70	TB42	Elec.	O
22100-60K15	H25	Elec.	F
22100-87K15	Z24	Elec.	R
22100-C7000	H30 & P40	Std.	I
22100-K7201	H20	Std.	C
22100-VB011	TB45	Elec.	S

TCM

Part#	Engine	Ignition	Style
212T1-06101	4Y	Elec.	H

TCM

Part#	Engine	Ignition	Style
22100-00H11	H20	Elec.	G
22100-50K15	H20II	Elec.	F
22100-60K15	H25	Elec.	F
22100-C7000	H30 & P40	Std.	I
22100-K7201	H20	Std.	C
T-F2SA-18-200	F2SA	Elec.	E
T-F2SM-18-200	F2SM	Elec.	E

TOYOTA

Part#	Engine	Ignition	Style
19030-78154-71	4Y	Elec.	H
19030-U2120-71	GM 3.0L	Elec.	M
19030-U3160-71	GM 4.3L	Elec.	L
19040-78150-71	4Y	Elec.	Q
19100-76004-71	5R	Std.	J
19100-78051-71	5R	Std.	J

YALE

Part#	Engine	Ignition	Style
1500225-02	FE	Elec.	E
5800003-06	GM 4.3L	Elec.	L
5800005-81	GM 3.0L	Elec.	M
5800011-11	F2 & FE	Elec.	E
5800012-15	FE	Elec.	E
5800470-16	F2 & FE	Elec.	P
5800489-19	GM 4.3L	Elec.	N
9000052-59	GM 4.3L	Elec.	L
9005388-66	VA	Std.	K
9015808-01	F2	Elec.	E
9306864-00	FE	Elec.	E

Pictures are for physical identification only. The same style does not mean they are the same distributor. The vacuum advance settings are different and set to the specific engines performance. Please order by part number required or provide model of truck and we will provide correct part number.



Type
DC-01



Type
DC-02



Type
DC-03



Type
DC-04



Type
DC-05



Type
DC-06



Type
DC-07



Type
DC-08



Type
DC-09



Type
DC-10



Type
DC-11



Type
DC-12



Type
DC-13



Type
DC-14



Type
DC-15



Type
DC-16



Type
DC-17



Type
DC-18



Type
DC-19



Type
DC-20



Type
DC-21



Type
DC-22



Type
DC-23



Type
DC-24



Type
DC-25



Type
DC-26



Type
DC-27



Type
DC-28



Type
DC-29



Type
DC-30



Type
DC-31



Type
RT-01



Type
RT-02



Type
RT-03



Type
RT-04



Type
RT-05



Type
RT-06



Type
RT-07



Type
RT-08



Type
RT-09



Type
RT-10



Type
RT-11



Type
RT-12



Type
RT-13



Type
RT-14



Type
RT-15



Type
RT-16



Type
RT-17



Type
RT-18



Type
RT-19



Type
RT-20



Type
PT-01



Type
PT-02



Type
PT-03



Type
PT-04



Type
PT-05



Type
PT-06



Type
CD-01



Type
CD-02



Type
CD-03



Type
CD-04



Type
IK-01



Type
IK-02



Type
IK-03



Type
IK-04



Type
IK-05

CLARK

Part#	Description	Engine	Type
1800724	Point Set	Continental	PT-05
1800762	Condenser	Continental/Waukesha	CD-04
1800763	Condenser	Continental/Waukesha	CD-04
3779914	Distributor Cap	4G32, 52 & 54	DC-20
443487	Distributor Cap	Hercules	DC-27
4G IGNITION	Ignition Kit	4G33, 52 & 54	IK-01
7000271	Rotor	Hercules	RT-18
850058	Distributor Cap	Continental F163	DC-24
850726	Rotor	Continental/Waukesha	RT-19
868068	Rotor	Continental/Waukesha	RT-19
891769	Distributor Cap	Continental F227	DC-30
891771	Distributor Cap	Continental/Waukesha	DC-29
907814	Rotor	Continental/Waukesha	RT-19
909351	Distributor Cap	4G32, 52 & 54	DC-15
909353	Rotor	4G32, 52 & 54	RT-10
909355	Condenser	4G32, 52 & 54	CD-03
909356	Point Set	4G32, 52 & 54	PT-03
916006	Rotor	4G32, 52 & 54	RT-10
922221	Rotor	GM 3.0L	RT-14
922229	Distributor Cap	GM 6Cyl	DC-02
923626	Distributor Cap	4G64	DC-19
923627	Rotor	4G64	RT-11
925036	Distributor Cap	GM 3.0L	DC-04
925037	Rotor	GM 3.0L	RT-01
998601	Rotor	Continental/Waukesha	RT-19
998922	Point Set	Waukesha	PT-06

DOOSAN

Part#	Description	Engine	Type
A218353	Distributor Cap	4G63 & 4G64	DC-19
A218357	Rotor	4G63 & 4G64	RT-11
A218735	Rotor	GM 2.4L & 3.0L	RT-14

DOOSAN

Part#	Description	Engine	Type
A218736	Distributor Cap	GM 2.4L & 3.0L	DC-04
A232132	Distributor Cap	GM 6Cyl	DC-02
A232133	Rotor	GM	RT-14
D490743	Distributor Cap	H20	DC-10
D490744	Rotor	H20	RT-11
D700682	Rotor	Hercules	RT-18
D700696	Distributor Cap	Hercules	DC-27

HYSTER

Part#	Description	Engine	Type
1326394	Distributor Cap	FE	DC-11
1326395	Rotor	FE	RT-03
1334400	Distributor Cap	GM 3.0L	DC-04
1334403	Rotor	GM 3.0L	RT-01
1342528	Distributor Cap	GM 6Cyl	DC-02
1342529	Rotor	GM 6Cyl	RT-01
1371206	Distributor Cap	D5	DC-05
1374329	Rotor	GM 4.3L 6Cyl	RT-14
141085	Distributor Cap	Continental/Waukesha	DC-29
147747	Distributor Cap	Continental F227/F245	DC-30
1554033	Distributor Cap	FE & F2	DC-23
1554034	Rotor	FE & F2	RT-17
1566458	Distributor Cap	GM 4.3L	DC-22
1566459	Rotor	GM 4.3L	RT-15
202098	Distributor Cap	Continental F163	DC-24
245208	Distributor Cap	Continental/Waukesha	DC-29
281846	Rotor	GM 3.0L	RT-08
288033	Distributor Cap	GM 6Cyl	DC-01
288042	Distributor Cap	GM 3.0L	DC-03
3000025	Distributor Cap	Continental F226/F245	DC-28
3000657	Ignition Tune Up Kit	VA	IK-04
309954	Rotor	Continental/Waukesha	RT-19

HYSTER

Part#	Description	Engine	Type
326836	Distributor Cap	VA	DC-14
326838	Point Set	VA	PT-04
326844	Condenser	VA	CD-01
381353	Rotor	VA	RT-12
55927	Condenser	Continental	CD-04

KALMAR AC

Part#	Description	Engine	Type
0225733	Distributor Cap	Continental F163	DC-24
0225739	Condenser	Continental	CD-04
4056696	Distributor Cap	Continental F226/F245	DC-30
4058876	Distributor Cap	Continental/Waukesha	DC-29
4905970	Distributor Cap	Continental F163	DC-24
4909103	Rotor	Continental/Waukesha	RT-19
4909993	Distributor Cap	Continental F226/F245	DC-28
4911926	Distributor Cap	Hercules	DC-27
4911933	Rotor	Peugeot	RT-18
4920234	Distributor Cap	4G52 & 54	DC-15
4920235	Rotor	4G52 & 54	RT-10
4920237	Condenser	4G52 & 54	CD-03
4920238	Point Set	4G52 & 54	PT-03
4942372	Condenser	H20	CD-01
4942379	Point Set	H20	PT-03
4942380	Rotor	H20	RT-09
4942382	Distributor Cap	H20	DC-16
4942509	Distributor Cap	6Cyl	DC-18
4949023	Distributor Cap	H20	DC-20
4968831	Rotor	TB42 6Cyl	RT-13
4968832	Distributor Cap	TB42 6Cyl	DC-09
4969894	Distributor Cap	H20	DC-12
4G IGNITION	Ignition Kit	4G33, 52 & 54	IK-01
8762078	Distributor Cap	H20II	DC-10
8762079	Rotor	H20II	RT-11
9001156	Distributor Cap	Continental F227/F245	DC-30
H20 IGNITION	Ignition Kit	H20	IK-05

KOMATSU

Part#	Description	Engine	Type
22102-D1100	Condenser	H20	CD-01
22145-89901	Point Set	H20	PT-03
22157-05M02	Rotor	H20	RT-09
22157-23G15	Rotor	H20	RT-10
22157-52H20	Rotor	TB42, 6Cyl	RT-13
22157-55K10	Rotor	H20II	RT-11
22157-VB011	Rotor	TB45	RT-16
22162-05M02	Distributor Cap	H20	DC-16
22162-25G11	Distributor Cap	H20	DC-20
22162-52H20	Distributor Cap	TB42, 6Cyl	DC-09
22162-55K10	Distributor Cap	H20II	DC-10
22162-78A10	Distributor Cap	H20	DC-12
22162-V2502	Distributor Cap	6Cyl	DC-18
22162-VB011	Distributor Cap	TB45	DC-21
37Z-02-CD901	Condenser	H20	CD-01
37Z-02-CP301	Point Set	4P	PT-02
37Z-02-CP901	Point Set	H20	PT-03
37Z-02-DC301	Distributor Cap	4P	DC-07

KOMATSU

Part#	Description	Engine	Type
37Z-02-DC901	Distributor Cap	H20	DC-16
37Z-02-HR301	Rotor	4P	RT-04
37Z-02-HR901	Rotor	H20	RT-09
4P IGNITION	Ignition Kit	4P	IK-02
H20 IGNITION	Ignition Kit	H20	IK-05
HE40-2504608	Rotor	Continental/Waukesha	RT-19
HE40-2504609	Rotor	Hercules	RT-18
HE40-2504811	Distributor Cap	Hercules	DC-27

mitsubishi/caterpillar

Part#	Description	Engine	Type
1W2995	Distributor Cap	Continental F226/F245	DC-28
2W2257	Rotor	Peugeot	RT-18
332361	Rotor	Continental/Waukesha	RT-19
4G IGNITION	Ignition Kit	4G33, 52 & 54	IK-01
4W1185	Condenser	Peugeot	CD-04
4W3862	Distributor Cap	Peugeot	DC-25
4W3979	Rotor	Peugeot	RT-20
5M4290	Distributor Cap	Continental F225/F247	DC-30
638828	Condenser	Continental F225/F247	CD-04
7N7542	Distributor Cap	Hercules	DC-27
90420-01480	Rotor	GM 4.3L	RT-01
90420-01560	Distributor Cap	GM 4.3L	DC-02
90425-02260	Distributor Cap	TB45	DC-09
90425-02270	Rotor	TB45	RT-13
91H20-04680	Distributor Cap	H20 II	DC-10
93720-09911	Distributor Cap	GM 4.3L	DC-22
93720-09912	Rotor	GM 4.3L	RT-15
971091	Distributor Cap	Continental/Waukesha	DC-29
971478	Distributor Cap	Continental F163	DC-24
MD602758	Rotor	4G33, 4G52 & 4G54	RT-10
MD602949	Distributor Cap	4G52 & 4G54	DC-15
MD607394	Point Set	4G33, 4G52 & 4G54	PT-03
MD607530	Condenser	4G33, 4G52 & 4G54	CD-03
MD611686	Distributor Cap	4G33, 4G63 & 4G64	DC-20
MD611850	Rotor	4G63 & 4G64	RT-10
MD618262	Rotor	4G63 & 4G64	RT-11
MD618364	Distributor Cap	4G63 & 4G64	DC-19
MM502535	Rotor	6G72	RT-13
MM502541	Distributor Cap	6G72	DC-31

NISSAN

Part#	Description	Engine	Type
22102-71312	Condenser	J15	CD-03
22102-D1100	Condenser	J15 & H20	CD-01
22145-89901	Point Set	J15 & H20	PT-03
22157-05M02	Rotor	J15 & H20	RT-09
22157-23G15	Rotor	A15 & H20	RT-10
22157-52H20	Rotor	TB42, 6Cyl	RT-13
22157-55K10	Rotor	H20II	RT-11
22157-R9007	Rotor	J15	RT-10
22157-VB011	Rotor	TB45	RT-16
22162-05M02	Distributor Cap	J15 & H20	DC-16
22162-25G11	Distributor Cap	A15 & H20	DC-20
22162-52H20	Distributor Cap	TB42, 6Cyl	DC-09
22162-55K10	Distributor Cap	H20II	DC-10

NISSAN

Part#	Description	Engine	Type
22162-78A10	Distributor Cap	A15 & H20	DC-12
22162-R9007	Distributor Cap	J15	DC-15
22162-V2502	Distributor Cap	6Cyl	DC-18
22162-VB011	Distributor Cap	TB45	DC-21
H20 IGNITION	Ignition Kit	H20	IK-05

TCM

Part#	Description	Engine	Type
212T1-06111	Distributor Cap	4Y	DC-06
212T1-06121	Rotor	4Y	RT-07
22102-71312	Condenser	J15	CD-03
22102-D1100	Condenser	J15 & H20	CD-01
22145-89901	Point Set	J15 & H20	PT-03
22157-05M02	Rotor	J15 & H20	RT-09
22157-23G15	Rotor	A15 & H20	RT-10
22157-52H20	Rotor	TB42, 6Cyl	RT-13
22157-55K10	Rotor	H20II	RT-11
22157-R9007	Rotor	J15	RT-10
22157-VB011	Rotor	TB45	RT-16
22162-05M02	Distributor Cap	J15 & H20	DC-16
22162-25G11	Distributor Cap	A15 & H20	DC-20
22162-52H20	Distributor Cap	TB42, 6Cyl	DC-09
22162-55K10	Distributor Cap	H20II	DC-10
22162-78A10	Distributor Cap	A15 & H20	DC-12
22162-R9007	Distributor Cap	J15	DC-15
22162-V2502	Distributor Cap	6Cyl	DC-18
22162-VB011	Distributor Cap	TB45	DC-21
H20 IGNITION	Ignition Kit	H20	IK-05
T-F829-18-V05	Rotor	F2	RT-03
T-FEEN-18-V00	Distributor Cap	F2	DC-11

TOYOTA

Part#	Description	Engine	Type
04191-76001-71	Point Set	4P	PT-01
19101-76001-71	Distributor Cap	5R	DC-17
19101-76002-71	Distributor Cap	4P&5P	DC-07
19101-76004-71	Distributor Cap	5R	DC-13
19101-76005-71	Distributor Cap	6Cyl	DC-08
19101-76007-71	Distributor Cap	4Y	DC-06
19101-76013-71	Distributor Cap	4Y	DC-06
19101-U2120-71	Distributor Cap	GM 4Cyl	DC-04
19101-U3160-71	Distributor Cap	GM 6Cyl	DC-02
19101-U3330-71	Distributor Cap	GM 4.3L	DC-22
19102-76002-71	Rotor	4P	RT-04
19102-76004-71	Rotor	5R	RT-05
19102-76005-71	Rotor	6Cyl	RT-06
19102-76007-71	Rotor	4Y	RT-07
19102-76009-71	Rotor	4Y	RT-07
19102-76013-71	Rotor	4Y	RT-07
19102-U2120-71	Rotor	GM 4Cyl	RT-01
19102-U3160-71	Rotor	GM 6Cyl	RT-01
19145-76001-71	Point Set	4P&5R	PT-02
4P IGNITION	Ignition Kit	4P	IK-02
5R IGNITION	Ignition Kit	5R	IK-03
80099-76036-71	Condenser	4P&5P	CD-02
80099-76434-71	Condenser	4P&5R	CD-02

YALE

Part#	Description	Engine	Type
0626550-00	Distributor Cap	Continental/F163	DC-24
1295880-18	Condenser	Continental/Waukesha	CD-04
1500225-09	Rotor	D5	RT-02
1500225-10	Rotor	F2&FE	RT-03
5081268-00	Distributor Cap	Continental/F227/F245	DC-30
5127958-01	Distributor Cap	Continental	DC-26
5127968-02	Rotor	Continental/Waukesha	RT-19
5800003-14	Distributor Cap	GM 4.3L 6Cyl	DC-02
5800003-84	Rotor	GM 4.3L 6Cyl	RT-14
5800006-43	Distributor Cap	GM 3.0L	DC-04
5800006-45	Rotor	GM 3.0L	RT-01
5800470-18	Distributor Cap	FE & F2	DC-23
5800470-19	Rotor	FE & F2	RT-17
5800518-08	Distributor Cap	GM 4.3L	DC-22
5800518-09	Rotor	GM 4.3L	RT-15
9000052-61	Distributor Cap	GM 6Cyl	DC-02
9000052-66	Rotor	GM 6Cyl	RT-01
9002948-01	Distributor Cap	UA&VA	DC-14
9013568-02	Distributor Cap	D5	DC-05
9013568-14	Rotor	D5	RT-02
9015808-02	Distributor Cap	F2 & FE	DC-11
9132903-00	Ignition Tune Up Kit	UA&VA	IK-04

IGNITION WIRE SETS

46

CLARK



1810086

CLARK



1810274

CLARK



1810436

CLARK



1811616

CLARK



1811761

CLARK



1811866

CLARK



1811917

CLARK



2822859

CLARK



3779999

CLARK



444802

CLARK



909376

CLARK



920990

CLARK



923580

CLARK



928940

DOOSAN



A218378

DOOSAN

A218755
DOOSAN

D490816
HYSTER

1326543
HYSTER

1337666
HYSTER

1362113
HYSTER

1369880
HYSTER

1369893
HYSTER

1452902
HYSTER

1452903
HYSTER

1477430
HYSTER

1477431
HYSTER

1477432
HYSTER

1569537
HYSTER

1652460
HYSTER

2076587

IGNITION WIRE SETS

48

HYSTER



214998

HYSTER



326829

HYSTER



346119

KALMAR AC



4915995

KALMAR AC



4920321

KOMATSU / KALMAR AC



22440-VB010 / 8762051

KOMATSU



22450-50KA0

KOMATSU / KALMAR AC



22450-66025 / 4947928

KOMATSU / KALMAR AC



22450-L1051 / 4942394

KOMATSU



22450-L6200

KOMATSU



B2450-52H25

MISTI / CAT



90425-02150

MISTI / CAT



91921-08300

MISTI / CAT



93820-06400

MISTI / CAT



MD023742

MITSI / CAT

MD972748
NISSAN

22440-VB010
NISSAN

22450-20H12
NISSAN

22450-50KA0
NISSAN

22450-66025
NISSAN

22450-L1051
NISSAN

22450-L1125
NISSAN

22450-L1600
NISSAN

22450-L6200
NISSAN

B2450-52H25
TCM

20801-09861
TCM

20801-0K042
TCM

20801-0K052
TCM

20801-0K062
TCM

20801-0K072

IGNITION WIRE SETS

50

TCM



22440-VB010

TCM



22450-50KA0

TCM



22450-66025

TCM



22450-L1051

TCM



22450-L1600

TCM



22450-L6200

TCM



22450-L7468

TCM



B2450-52H25

TOYOTA



19035-U3160-71

TOYOTA



19335-U2120-71

TOYOTA



80919-76001-71

TOYOTA



80919-76017-71

TOYOTA



80919-76018-71

TOYOTA



80919-76098-71

TOYOTA



80919-76101-71

TOYOTA



80919-76106-71

YALE



1501124-03

YALE



5059765-93

YALE



5800006-35

YALE



5800009-79

YALE



5800009-80

YALE



5800097-31

YALE



5800167-87

YALE



5800167-88

YALE



5800167-89

YALE



5800527-08

YALE



5800604-88

YALE



5800789-81

YALE



9005378-24

YALE



9012838-03

YALE



9013038-03

CLARK

Part#	Engine
1810086	4cyl. Universal
1810274	6cyl. Universal
1810436	4cyl. Continental
1811616	4G54
1811761	6cyl. Continental
1811866	4G54
1811917	4G52 & 4G54
2822859	GM 6 cyl.
3779999	4G32 & 4G52
444802	4cyl. Waukesha
909376	4G52 & 4G54
920990	4G64
923580	GM 6cyl.
928940	GM 3.0L

DOOSAN

Part#	Engine
A218378	4G63 & 4G64
A218755	GM 4cyl.
D490816	H20 II

HYSTER

Part#	Engine
1326543	VA
1337666	GM 3.0L
1362113	F2 & FE
1369880	D5
1369893	FE
1452902	GM 4.3L 6cyl. R/Side
1452903	GM 4.3L 6cyl. L/Side
1477430	GM 4.3L Vortex 6cyl. R/Side
1477431	GM 4.3L Vortex 6cyl. L/Side
1477432	GM 4.3L Vortex 6cyl. R/Side
1569537	GM 4.3L Vortex
1652460	FE
2076587	GM 4.3L Vortex
214998	4cyl. Continental
326829	VA
346119	VA

KALMAR AC

Part#	Engine
4915995	6cyl. Continental
4920321	4G52
4942394	H20
4947928	P40

KALMAR AC

Part#	Engine
8762051	TB42

KOMATSU

Part#	Engine
22440-VB010	TB45
22450-50KA0	H20 II
22450-66025	P40
22450-L1051	H20
22450-L6200	P40
B2450-52H25	TB42

MITSI / CAT

Part#	Engine
90425-02150	TB45
91921-08300	GM 6 cyl.
93820-06400	GM 4.3L
MD023742	4G33, 4G52 & 4G54
MD972748	4G63 & 4G64

NISSAN

Part#	Engine
22440-VB010	TB45
22450-20H12	Z24
22450-50KA0	H20 II
22450-66025	H30 & P40
22450-L1051	H20
22450-L1125	H20
22450-L1600	A15 & J15
22450-L6200	P40
B2450-52H25	TB42

TCM

Part#	Engine
20801-09861	H30
20801-0K042	H20 II
20801-0K052	4Y
20801-0K062	H30 & P40
20801-0K072	F2
22440-VB010	TB45
22450-50KA0	H20 II
22450-66025	H30 & P40
22450-L1051	H20
22450-L1600	A15 & J15
22450-L6200	P40
22450-L7468	F2
B2450-52H25	TB42

TOYOTA

Part#	Engine
19035-U3160-71	GM 6cyl.
19335-U2120-71	GM 4cyl.
80919-76001-71	3P & 4P
80919-76017-71	5R
80919-76018-71	2F & 3F
80919-76098-71	2F & 3F
80919-76101-71	5R & 4P
80919-76106-71	4Y

YALE

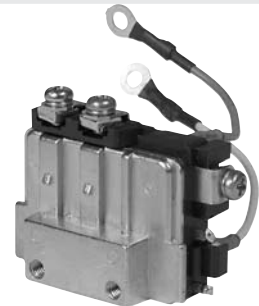
Part#	Engine
1501124-03	GM 4.3L Vortex
5059765-93	FE
5800006-35	GM 3.0L
5800009-79	GM 4.3L 6cyl. R/Side
5800009-80	GM 4.3L 6cyl. L/Side
5800097-31	GM 3.0L
5800167-87	GM 4.3L Vortex 6cyl. R/Side
5800167-88	GM 4.3L Vortex 6cyl. L/Side
5800167-89	GM 4.3L Vortex 6cyl. R/Side
5800527-08	GM 4.3L Vortex
5800604-88	GM 4.3L Vortex
5800789-81	FE
9005378-24	UA & VA
9012838-03	D5
9013038-03	F2 & FE



Type
A



Type
B



Type
C



Type
D



Type
E



Type
F



Type
G



Type
H



Type
I

Pictures are for identification only. The same style does not mean they are the same module. The amp settings are different and are set to the engines performance. Please order by part number required or provide the model of your truck and we will provide the correct module part number.

CLARK		HYSTER		MITSU / CAT		TOYOTA	
Part#	Type	Part#	Type	Part#	Type	Part#	Type
7003465	E	1374332	E	90420-01440	E	19251-76001-71	I
918892	F	1460387	E	90420-11440	E	19317-U3160-71	E
922815	E	1545444	G	MD611384	F	89620-76001-71	C
923632	D	1578518	H	MD619224	D		
925043	E	271496	A				
DOOSAN		KALMAR AC		NISSAN		YALE	
Part#	Type	Part#	Type	Part#	Type	Part#	Type
A218363	D	4968820	B	22020-55K10	D	1500225-07	F
A218741	E	8762083	D	22020-G5111	B	5800006-48	E
A232136	E					5800086-61	A
D490748	D					5800087-78	E
HYSTER		KOMATSU		TCM		5800436-05	G
Part#	Type	Part#	Type	Part#	Type	5800539-66	H
1326536	B	22020-55K10	D	212T1-07431	C	9000052-67	E
1334407	E	22020-G5111	B	22020-55K10	D	9019538-09	B
1342531	E			22020-G5111	B		
				T-FEFB-18-V20	B		



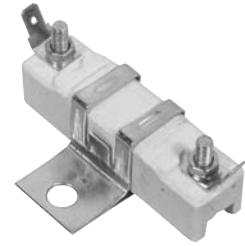
Type
IC-01



Type
IC-02



Type
IC-03



Type
IC-04



Type
IC-05



Type
IC-06



Type
IC-07



Type
IC-08



Type
IC-09



Type
IC-10



Type
IC-11



Type
IC-12

CLARK

Part #	Type
444692	IC-03
7001531	IC-10
918314	IC-05
922812	IC-10
923370	IC-06
925061	IC-01
925969	IC-06

DOOSAN

A218371	IC-06
A218752	IC-01
A232135	IC-10

HYSTER

1331331	IC-01
1342533	IC-10
1374331	IC-11
1527571	IC-07
1578521	IC-12

HYSTER

Part #	Type
1584523	IC-08
274366	IC-03

KOMATSU

Part #	Type
22433-AR215	IC-09
22448-AR215	IC-09

MITSI / CAT

0971431	IC-03
90420-01410	IC-10
90420-01520	IC-01
91H20-02930	IC-09
MD177230	IC-05
MD358504	IC-06

NISSAN

22433-AR215	IC-09
22448-AR215	IC-09

TCM

Part #	Type
212T1-09251	IC-02
22433-AR215	IC-09
22448-AR215	IC-09

TOYOTA

Part #	Type
19070-U2120-71	IC-01
19321-U2120-71	IC-11
19321-U3160-71	IC-10
80919-76002-71	IC-02
80919-76034-71	IC-02

UNIVERSAL

10039	IC-04
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YALE

5800003-87	IC-11
5800088-15	IC-03
5800436-27	IC-07

YALE

Part #	Type
5800539-69	IC-12
5800572-03	IC-08
9000052-70	IC-10
9000062-65	IC-01



12 Volt Internal Resistor

Type

A


12 Volt External Resistor

Type

B


12 Volt External Resistor Included

Type

C

CLARK

Part #	Style
909382	C
911167	B

HYSTER

Part #	Style
1324278	A
2021440	A
328394	B

KALMAR

Part #	Style
4921385	B
4921433	A
4942392	A

KOMATSU

Part #	Style
22433-09M10	B

MITSI /CAT

Part #	Style
MM115566	B

NISSAN

Part #	Style
22433-00H00	A

NISSAN

Part #	Style
22433-09M10	B
22433-L1110	A
22433-L6801	A

TCM

Part #	Style
20801-0K031	A
22462-N8711	A
22462-W1010	B
T-E301-18-100	A

TOYOTA

Part #	Style
80919-76023-71	A
80919-76032-71	B

YALE

Part #	Style
5059605-80	A
5180978-00	A
5195844-00	A
9061893-00	A
9125654-00	C
9196704-00	A

GENERIC IGNITION COILS



12 Volt

Internal Resistor

D510


12 Volt

External Resistor

D511


12 Volt Internal Resistor

1872

DENSO U-GROOVED SPARK PLUGS

56



When you sell Denso U-Groove Spark Plugs, you can be assured you're selling the right plug.

That's because we build spark plugs to correctly meet the individual engine operating requirements specified by the automotive manufacturers. We know what it takes to make an engine perform at its peak level because Denso is the World's Largest Japanese Original Equipment Automotive Parts Manufacturer.

We don't compromise quality or performance by trying to make a limited number of spark plugs work on a maximum number of applications just to simplify SKU's.

Denso U-Groove Spark Plugs are the right plugs for your customers. Our patented U-Groove design produces maximum performance and fuel economy while helping to control emissions. Plus the U-Groove features a longer life than other grooved designs.

Supply your customers the right spark plug with the right performance...Denso U-GROOVE SPARK PLUGS.

AUTOLITE		AUTOLITE		CHAMPION		CHAMPION		NGK	
AUTOLITE	DENSO	AUTOLITE	DENSO	CHAMPION	DENSO	CHAMPION	DENSO	NGK	DENSO
13	T20P-U	396	W16ES-U	H10C	W14L	RN11Y	W16EPR-U	BP5EY	W16EX-U
14	T20P-U	397	W14E	H10J	W14L	RN11YC	W16EXR-U	BP5EZ	W16EP-U
15	T16P-U	398	W14E	H11	W14L	RN12YC	W16EXR-U	BP5FS	T16P-U
16	T16P-U	404	W20ESR-U	H12	W14L	RN14Y	W14EPR-U	BP6EFS	T20EP-U
25	T16PR-U	405	W16ESR-U	J11J	W9-U	RN14Y	W14EXR-U	BP6ES	W20EX-U
27	T14PR-U	406	W16ESR-U	J11Y	W16P-U	RN14YC	W14EXR-U	BP6ESZ	W20EP-U
51	W24EP-U	437	W14L	J12C	W9-U	RN4YC	W24EPR-U	BP6EZ	W20EP-U
52	W24EP-U	483	T20EPR-U	J12J	W9-U	RN5	W20ESR-U	BP6F	T20P-U
54	W20EX-U	497	W14L	J14J	W9-U	RN5C	W20ESR-U	BP6FS	T20P-U
54	W20EP-U	602	K20PR-U	J8	W14-U	RN7Y	W22EPR-U	BP8ES	W24EP-U
55	W16EX-U	724	T20PR-U	J8C	W14-U	RN7YC	W22EPR-U	BPR2E	W9EXR-U
55	W16EP-U	765	T16EPR-U	J8J	W14-U	RN9Y	W20EPR-U	BPR2ES	W9EXR-U
56	W14EX-U	766	T16EPR-U	N10Y	W20EX-U	RN9YC	W20EXR-U	BPR4ES	W14EPR-U
56	W14EP-U	767	T16EPR-U	N11Y	W16EP-U	RN9YCE	W20EPR-U	BPR4ES	W14EXR-U
57	W9EP	908	T16EPR-U15	N11YC	W16EX-U	RN9YCX	W20EPR-U	BPR4EY	W14EXR-U
62	W22EPR-U	996	W14L	N12Y	W16EP-U	RS12PYP	PT16EPR-L13	BPR4FS	T14PR-U
63	W22EPR-U	2614	W22ES-U	N12YC	W16EP-U	RS14YC	T16EPR-U	BPR5E	W16EPR-U
64	W20EXR-U	2616	W20ES-U	N13Y	W16EP-U	RS281YC	T20EPR-U	BPR5EA	W14EXR-U
65	W16EXR-U	2616	W20ESR-U	N14Y	W16EP-U	UJ12	W9-U	BPR5EA-L	W16EXR-U
65	W16EPR-U	2676	W14L	N16C	W14EX-U	UJ8	W20S-U	BPR5EF	T16EPR-U
66	W14EPR-U	2677	W14L	N16Y	W14EP-U	V12YC	T16P-U	BPR5ES	W16EXR-U
66	W14EXR-U	3017	W9-U	N21	W14E	NGK		BPR5ES	W16EPR-U
67	W14EXR-U	3923	Q20PR-U	N288	W20ES-U	NGK		BPR5FS	T16PR-U
87	W9PR-U	4056	W20ES-U	N5	W20ES-U	NGK	DENSO	BPR6EF	T20EPR-U
103	T20EPR-U	4253	W16EX-U	N5C	W20ES-U	AP6F	MA20P-U	BPR6ES	W20EXR-U
104	T20EPR-U	4263	W20EXR-U	N6	W16ES-U	AP6FS	MA20P-U	BPR6ES	W20EPR-U
115	MA20P-U	4263	W20EPR-U	N64Y	W24EP-U	B2	W9-U	BPR6EY	W20EXR-U
216	W14L	4265	W16EXR-U	N7	W16ES-U	B4	W14-U	BPR6EZ	W20EPR-U
217	W14L	4265	W16EPR-U	N7C	W22ES-U	B4E	W14E	BPR6FS	T20PR-U
218	W14L	APP605	PT16EPR-L13	N8	W14E	B4ES	W14E	BPR7E	W22EPR-U
225	W14L	CHAMPION		N8Y	W20EP-U	B4L	W14L	BPR7ES	W20EPR-U
295	W14-U	CHAMPION	DENSO	N9Y	W20EX-U	B5ES	W16ES-U	BR5ES	W16ESR-U
297	W9-U	3013	T16EPR-U15	N9Y	W20EP-U	B6ES	W20ES-U	BR6ES	W20ESR-U
298	W9-U	BL11Y	T20P-U	N9YC	W20EX-U	B7ES	W22ES-U	DCPR4ES	Q14R-U11
306	W9-U	BL13Y	T16P-U	ON11Y	W16EPR-U	BCPR6E	Q20PR-U	DCPR4ES11	Q14R-U11
316	W14-U	BN89Y	T20EP-U	ON12Y	W16EPR-U	BKR6E	K20PR-U	FR9DCX	Q14R-U11
317	W14-U	D14	L14-U	P-N7C	W22ES-U	BKR6ES	K20PR-U	FR9DCX11	Q14R-U11
318	W9-U	D15Y	L14-U	RBL11Y	T20PR-U	BMR4A	W14MR-U	GR4	W14EXR-U
356	W14-U	D16J	L14-U	RBL13Y	T16PR-U	BP2E	W9EP	GR5	W16EXR-U
357	W9-U	D16	L14-U	RBL16Y	T14PR-U	BP4E	W14EP-U	PTR4B15	PT16EPR-L13
358	W9-U	D18Y	L14-U	RC87YC	K20PR-U	BP4ES	W14EX-U		
376	L14-U	D21	L14-U	RC87YCC	K20PR-U	BP4EY	W14EX-U		
377	L14-U	D23	L14-U	RC87YCL	K20PR-U	BP5E	W16EP-U		
378	L14-U	F7Y	MA20P-U	RC9YC	Q20PR-U	BP5EA	W14EX-U		
379	L14-U	F7YC	MA20P-U	RJ18Y	W9PR-U	BP5EA-L	W16EX-U		
394	W20ES-U	H10	W16LS	RJ18YC	W9PR-U	BP5EFS-13	T16EPR-U15		
395	W16ES-U			RN10Y	W20EPR-U	BP5ES	W16EX-U		

ALLIS-CHALMERS

Gasoline - 14mm Heads

Truck	Plug	Gap
1-40, 1-60, 1-400, 1-600, 615	W20S-U	0.025
706B	W16EX-U	0.025
G153, G230, G262	W20ES-U	0.025
Series 500 & 600	W20S-U	0.025
T6, TL16	W14-U	0.025
T10, TL12, TL14	W20ES-U	0.025
TL545G Front Endloader	W20ES-U	0.025
w/A-C Engs.	W9-U	0.025
w/B&S Engs.	W14LM-U	0.025
w/Buda Engs.	W9-U	0.025
w/IHC & Wauk. Engs.	W14-U	0.025
w/Onan Engs.	W14L	0.025

Gasoline - 14mm Heads

ACC-40, ACC-45, ACC-50, ACC-55	L14-U	0.025
ACP-20, ACP-25, ACP-30, ACP-40, ACP-50	L14-U	0.025
ACP-60C, ACC-20, ACC-25, ACC-30, ACC-35	L14-U	0.025
ACC-70C, ACC-80, ACC-100, ACC-120	L14-U	0.025
ACP-150, ACC-60, ACC-60C, ACC-70	L14-U	0.025
ACP-60, ACP-70, ACP-80, ACP-110, ACP-130	L14-U	0.025
ACP-165, ACP-180, ACP-200, ACP-225	MA20R-U	0.025
w/Chore Boy Engs.	L14-U	0.025
w/IHC Engs.	L14-U	0.025
w/Wauk. Engs.	L14-U	0.025
w/Wisc. Engs.	L14-U	0.025
190, 190 XT	W24ES-U	0.020

BAKER

14mm Heads

Truck	Plug	Gap
FGA-030, 050, 070, FGD-020, 025	W14-U	0.025
FGD-030, 040, 050, 060, 070, 080	W14-U	0.025
FGF-020, 025, FIA-030, FID-020, 025	W14-U	0.025
FID-030, 040, 050, 060, 070, 080	W14-U	0.025
FIF-020, 025, FJD-060, 070, 080	W14-U	0.025
FLD, FLF-020, FLD-060, T-10A, TJF-100	W20S-U	0.025
FMD-030, 040, 050, 060, 070, 080	W14-U	0.025
T10A, TJF-100	W20S-U	0.025

18mm Heads

FGD-030, 040, 050, 060, 070, 080	L14-U	0.025
FGF-030, 040, 050, 060, 070	L14-U	0.025
FID-030, 040, 050, 060, 070, 080	L14-U	0.025
FIF-030, 040, 050, 060, 070	L14-U	0.025
FJD-040, 060, 070, 080, FJG-040	L14-U	0.025
FJF-030, 040, 050, 060, 070	L14-U	0.025
FMD-030, 040, 050, 060, 070, 080	L14-U	0.025
FMF-030, 040, 050, 060, 070, Y112	L14-U	0.025
Tiger Series	L14R-U	0.025

CATERPILLAR

Starting Engines - 14mm Heads

Truck	Plug	Gap
D2, D4, D6, D7, D8, D9, RD4, DW15	W9PR-U	0.025
DW20, DW21, 824, 834	W9PR-U	0.025
D2, D4, D6, D7, D8, D9	L14-U	0.025
DW10, DW15, DW20, DW21	L14-U	0.025
RD4, 824, 834, F163, F227	L14-U	0.025

CLARK

Gasoline - 14mm Heads

Truck	Plug	Gap
C500, 60, 70, S80, 80, 90, S100	W16EXR-U	0.025
Clark 75 Unshielded, Series 71H	W14-U	0.025
Clarktor 6, 120, CFV, CY	W14-U	0.025
GCS12, 15, 20, 25, 30, 175 w/Mits. 4G32	W14EXR-U	0.025
GCS17, 20, 22, 25, 27, 30 w/Mits. 4G54	W14EXR-U	0.025
GPS12, 15 w/Mits. 4G52	W14EXR-U	0.025
GPS20, 22, 25, 27, 30 w/Mits. 4G54	W14EXR-U	0.025
IT 50, 60, 70, 80	W20ES-U	0.025
IT 50, 60, 70, 80 w/Ford Engs.	MA20R-U	0.025
Planeloader	W20SR-U	0.025
Ranger 150, 200, 300, YL350	W20S-U	0.025
Series 71 w/Herc. Engs.	W14-U	0.025
Series 81 w/Herc. Engs.	W20S-U	0.025
Y60, 70, S80, 100CD W/Perkins 236 cid	W16EXR-U	0.025
Yardlift 150, Clark-Ross Y200	W14-U	0.025
Yardlift 260, YL150, HYL150	W14-U	0.025
C500-20, 25, 30, 40, 55, 60	L14R-U	0.025
C500-70, 70, 100, 120, F163	L14R-U	0.025
C500-Y20, 25, 30, 40, 55, 60	L14R-U	0.025
C500-Y70, 80, 100, 130, 150	L14R-U	0.025
Car Loader, Clarkat, Clarkette	L14-U	0.025
CL20, 30, 40, 50	L14-U	0.025
Clarklift C60, C70, C80	L14R-U	0.025
Clarktor 6, Clipper, Tructractor, Utilitruc	L14-U	0.025
CQS17, 20, 22, 25, 27, 30	L14R-U	0.025
GPS20, 22, 25, 27, 30	L14R-U	0.025
Series 71F w/Ford Engs.	MA16PR-U	0.025
Yardlift 20, 40, 60, 100, 180	L14-U	0.025

LPG - 14mm Heads

C500, 60, 70, S80, 80, 90, S100	W16EXR-U	0.015
GCS12, 15, 20, 25, 30, 175 w/Mits. 4G32	W14EXR-U	0.015
GCS17, 20, 22, 25, 27, 30 w/Mits. 4G54	W14EXR-U	0.015
GPS12, 15 w/Mits. 4G52	W14EXR-U	0.015
GPS20, 22, 25, 27, 30 w/Mits. 4G54	W14EXR-U	0.015
Y60, 70, S80, 100CD W/Perkins 236 cid	W16EXR-U	0.015
Car Loader, Clarkat	L14-U	0.015
CL20, 30, 40, 50, 180	L14-U	0.015
Clarkette, Utilitruc	L14-U	0.015
Clipper, Tructractor	L14-U	0.015
GCS17, 20, 22, 25, 27, 30	L14R-U	0.015
GPS20, 22, 25, 27, 30	L14R-U	0.015
Yardlift 20, 40, 60, 100	L14-U	0.015

DENSO U-GROOVED SPARK PLUGS

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HYSTER

Truck	Plug	Gap
20C150-SC180-TC200 w/Hercules	W14-U	0.025
BC, BT, BK10, H20E, H25E, H30E	L14-U	0.025
Carrier S60, S70, S80	L14-U	0.035
H100-120B, H100-140C	L14R-U	0.025
H100-150C, H360-460A	L14R-U	0.025
H110-150F, H150-275H, H300A	T14PR-U	0.035
H110F, H130F, H150F, H200-H400	T20R-U	0.035
H111-150F, H150-250E	T20R-U	0.035
H150-225E, >191268	W14-U	0.025
H150-225E, 191269 >	W16EX-U	0.025
H20-30E, H60-80B, H60-80C	L14R-U	0.025
H250-300A, 191269 >	W16EX-U	0.025
H250A, H250-300A, > 191268	W14-U	0.025
H30-60F, KD, M3, M200-300E	W14-U	0.025
H30H, H30-60H, H40H	W14L	0.025
H35XL w/Mazda 4-Cyl. Engs.	W14EXR-U	0.030
H360-400A, H360-620B	W20ES-U	0.025
H60C, H70C, H80C	L14-U	0.025
H700-800A, M200-300F (3/4" Rch.)	W20ES-U	0.025
HC50, HE50, H50H, H60H	W14L	0.025
KD Crane	W14-U	0.025
KE Crane	L14-U	0.025
M200-300F, XF60-VA70-ZA80 (3/8" Rch.)	W14-U	0.025
M200-400H	W16EX-U	0.025
MH3 Carrier	L14-U	0.025
Models w/Ford 172 & 192 cid Engs.	W14L	0.025
Models w/GM 151 cid Engs. (Brazil)	W16EXR-U	0.025
Models w/GMC 153 cid Engs.	T14PR-U	0.025
Models w/GMC 250 cid (3/4" Rch.)	W20ES-U	0.025
Models w/GMC 250 cid (3/8" Rch.)	W20S-U	0.025
Models w/GMC 250 cid (Tapered Seat)	T14PR-U	0.025
Models w/GMC 350 cid Engs.	T14PR-U	0.025
Models w/Wisc. 37 h.p.	L14-U	0.025
P125-180A, > 191268	W14-U	0.025
P125-180A, 191269 >	W16EX-U	0.025
P150-P200B	T20R-U	0.035
P40-P50A	T20PR-U	0.035
P60-80A, KE, QC20, QN20, YT40	L14R-U	0.025
P60A-P80A, KE	L14-U	0.025
QC20, QN20, QT20	L14-U	0.035
RC150, SC180, TC200 w/Chry. 3/4" Rch.	W20ES-U	0.025
RC150, SC180, TC200 w/Chry. 3/8" Rch.	W14-U	0.025
RC150, SC180, TC200 w/Herc. 3/4" Rch.	W20ES-U	0.025
S&H Series w/Cont. Engs.	L14-U	0.025
S125A-S150A	L14-U	0.025
S20-30A, S30-50B, S30-50C, S60-100A	L14R-U	0.025
S20A-S30A	L14-U	0.025
S30-60ES, S70B-S100B	T20R-U	0.035
S30C, S40C, S50C	W16EXR-U	0.025
S30E, S40E D2D1501	T16R-U	0.025
S30E, S40E D2D4302	T14PR-U	0.025
S40C-S50C	L14-U	0.025
S50E, S60E D2D1501	T16R-U	0.025

HYSTER

Truck	Plug	Gap
S50E, S60ES D2D4302	T14PR-U	0.025
S60-100E, S125-150A	L14R-U	0.025
S60B, S70B, S80B, S100B	T16R-U	0.025
S60E, S70E w/Chevrolet 250 cid Engs.	T14PR-U	0.025
S80E, S100E w/Chevrolet 250 cid Engs.	T14PR-U	0.025
Straddle Carriers w/Chrys. 53	W20ES-U	0.025
Turret Tug UC30, UE30	L14-U	0.025
Turret Tug YC40, YE40, YT40	L14-U	0.025

KOMATSU

Truck	Plug	Gap
FG10H-1, FG15H-1, FG10S-1, FG15S-1	W20ES-U	0.025
FG20-7, FG25-7, FG20S-3, FG25S-3	W20ES-U	0.025
FG30-7, FG30S-3, FG35-2, FG40-2	W20ES-U	0.025
FG50-2, FG60-2, FG50-3, FG60-3, FG70-3	W20ES-U	0.025

mitsubishi/caterpillar

Truck	Plug	Gap
4G33, 4G52, 4G54	W14EX-U	0.025
4G63, 4G64	W14EXR-U	0.032
K21, K25	Q14R-U11	0.044

NISSAN

Truck	Plug	Gap
All Models using LPG	W22ES-U	0.015
D11, DK11, D11K	W20ES-U	0.025
F01, F02, B02 w/H20 Engs.	W20ES-U	0.025
F01, F02, B02 w/J15 Engs.	W20ES-U	0.025
F03, B01, B02 w/H30 P Engs.	W20ES-U	0.025
w/H20, H21, H30, J15 Engs.	W20ES-U	0.025
L01 & L02 w/K21 & K25 Engs.	Q14R-U11	0.044

TCM

Forklift Trucks		
Truck	Plug	Gap
w/Nissan A15, H20, H30 Engs.	W20ES-U	0.025

TOYOTA

2F Engines		
Truck	Plug	Gap
02-2FG32, 02-2FG35, 02-2FG40	W14EXR-U	0.032
2FG50, 2FG60	W14EXR-U	0.032
3P Engines		
Truck	Plug	Gap
FG7, 2FG7, 2FG9, 3Y	W14EXR-U	0.032
TG10	W16EXR-U	0.032

TOYOTA

3Y Engines

Truck	Plug	Gap
All Models	W14EXR-U	0.032

4P Engines

Truck	Plug	Gap
2FGC10, 2FGC15, 3FGC20, 3FGC25	W14EXR-U	0.032
4FG10, 4FG14, 4FG15, FG18, FG20	W14EXR-U	0.032
FG23, FG25, FGA7, FGA9	W14EXR-U	0.032

4Y Engines

Truck	Plug	Gap
All Models	W14EXR-U	0.032

5P Engines

Truck	Plug	Gap
60-3FG20, 60-3FG23, 60-3FG25	W14EXR-U	0.032
60-4FG10, 60-4FG14, 60-4FG15	W14EXR-U	0.032
60-FG18, 62-3FG20, 62-3FG23	W14EXR-U	0.032
62-3FG25	W14EXR-U	0.032

5R Engines

Truck	Plug	Gap
40-2FG20, 40-2FG30, 40-2FGC10	W14EXR-U	0.032
40-2FGC15, 40-3FG10, 40-3FG15	W14EXR-U	0.032
40-3FG20, 40-3FG25, 40-3FGC10	W14EXR-U	0.032
40-3FGC15, 40-3FGC20, 40-3FGC25	W14EXR-U	0.032
40-4FG10, 40-4FG14, 40-4FG15, FGC30	W14EXR-U	0.032
40-4FG18, FG10, FG15, FG20, FG25	W14EXR-U	0.032
FG30, FGC10, FGC15, FGC20, FGC25	W14EXR-U	0.032

F Engines

Truck	Plug	Gap
02-FG32, 02-FG35, 02-FG40	W14EXR-U	0.032

WHITE

Truck	Plug	Gap
2-115, 4-115, 2-144, 4-144	W16EX-U	0.025
2-44, 2-44-L, 2-44-LL, 2-44-13	L14-U	0.025
2-44-13LL, 2-44-FL, 2-62, 2-62-L	L14-U	0.025
2-62-15, 2-62-FL, 2-63-L, 2-63-15	L14-U	0.025
2-78, 2-78-L, 2-78-15, 2-78-17	W16EX-U	0.025
4-78, 4-78-L, 4-78-15, 4-78-17	W16EX-U	0.025
4-78-FL, 2-105, 4-105	W16EX-U	0.025

YALE

Gasoline

Truck	Plug	Gap
Chrysler H-318 Engs.	W14P-U	0.025
Continental F124, F162, F163	L14-U	0.025
Ford K-292 Engs.	MA9P-U	0.025
G51C, G54C, 52 Series	L14-U	0.025
G51C, G54C, 52 Series	L14R-U	0.025
G83 w/Chry. H-225, > E25,2034	W16EXR-U	0.025

YALE

Gasoline

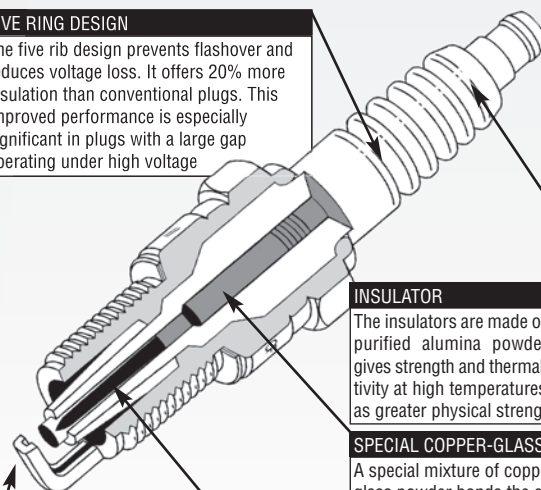
Truck	Plug	Gap
G83 w/Chry. H-225, E252035 >	T20PR-U	0.025
G83 w/Chrysler H-225	W16EX-U	0.025
IHC UC 135B Engs.	L14-U	0.025
IHC V345 Engs., Yard King	W14-U	0.025
KG51, KGP51, G10P, Y-18 (LPG)	W20SR-U	0.015
KG51, KGP51, G10P, Y-18 G54P	W9-U	0.025
KG51, KGP51, G10P, Y-18 G54P	W9-U	0.025
Lift King w/Chrysler IND-31	W9-U	0.025
Lift King w/IHC Engs.	L14-U	0.025
SN-E252035 on	T16PR-U	0.025
thru SN-E252034	W16EX-U	0.025
w/Cont. F-124, F-162, F-163	L14R-U	0.025
w/Ford K-292	MA16PR-U	0.025
w/IHC UC135B	L14R-U	0.025
w/IHC V345 Engs.	W14-U	0.025
w/LeRoi D-471 (Nat. Gas)	M22	0.015
w/Mazda 1985cc Engs.	W14EXR-U	0.025
Yard King	W14-U	0.025

LPG

Truck	Plug	Gap
KG51, KGP51, G10P, Y-18 (LP-Gas)	W16S-U	0.025

FIVE RING DESIGN

The five rib design prevents flashover and reduces voltage loss. It offers 20% more insulation than conventional plugs. This improved performance is especially significant in plugs with a large gap operating under high voltage.



INSULATOR

The insulators are made of a highly purified alumina powder, which gives strength and thermal conductivity at high temperatures, as well as greater physical strength.

SPECIAL COPPER-GLASS SEAL

A special mixture of copper and glass powder bonds the center electrode and insulator together for a gas-tight seal. Proper heat is maintained and hot combustion gases are excluded.

U-GROOVED GROUND ELECTRODE

This U-Groove allows the spark to fill the gap formed by the U. The Ball of fire develops, a larger and hotter flash front, so that the combustion is more complete.

COPPER CORED CENTER ELECTRODE

A special center electrode incorporates copper into the core of the nickel chrome binary alloy. This gives superior thermal conductivity, and increases the operating range.

IGNITION KEY SWITCHES

60

ALL SWITCHES COME WITH TWO KEYS

BARRETT



28842-300

CLARK Anti-Restart



2368655

CLARK Anti-Restart



2394129

CLARK Anti-Restart



2782017

CLARK



908586

CROWN Keyless



062623

CROWN



108066

CROWN



72708

DOOSAN



D147482

HYSTER Anti-Restart



1337114

HYSTER Anti-Restart



272041

HYSTER



379902

KALMAR



4003998

KOMATSU Electric Trucks



34B-57-23590

KOMATSU / KALMAR AC Electric Trucks



3BA-55-13251 / 4944052

KOMATSU / KALMAR AC



3EA-55-11161 / 4940615

KOMATSU / KALMAR AC



3EB-55-11181 / 4941107

KOMATSU / KALMAR AC



3EB-55-21163 / 8761140

KOMATSU / KALMAR AC Anti-Restart



3EB-55-A3621 / 4966572

MITSI / CAT Anti-Restart



91106-07400

IGNITION KEY SWITCHES

ALL SWITCHES COME WITH TWO KEYS

61

MITSI / CAT
Anti-Restart



91106-07410

MITSI / CAT



91205-24900

MITSI / CAT
Anti-Restart



91205-34900

MITSI / CAT
Anti-Restart



91A05-21400

MITSI / CAT



97004-06500

MITSI / CAT
Anti-Restart



97104-12500

NISSAN
Anti-Restart



25150-02H01

NISSAN



25150-30H00

NISSAN



25150-35H00

NISSAN



25150-41H00

NISSAN



25150-L1100

NISSAN
Diesel Engine



25150-L1810

NISSAN



25150-L4500

NISSAN



25150-L9000

NISSAN



25150-L9300

PRIME MOVER



20151-00

TCM



216G2-42311

TCM



22192-42301D

TCM



FA15E2-40301

TOYOTA















54250-30381-71

IGNITION KEY SWITCHES

62

ALL SWITCHES COME WITH TWO KEYS

TOYOTA Key Switch Key 	TOYOTA Key Switch Key 	TOYOTA 	TOYOTA Anti-Restart - Keyless 
57421-22000-71	57421-22060-71	57510-23000-71	57590-22802-71
TOYOTA 	TOYOTA Anti-Restart 	UNIVERSAL Electric Trucks 3 Pole 	UNIVERSAL Electric Trucks 2 Pole 
57590-23332-71	57590-23342-71	40053	40082
YALE 	YALE Anti-Restart 	YALE Anti-Restart 	YALE 
5014065-00	5042272-54	5042408-38	5165073-00
YALE 	YALE 		
9133054-00	9154944-00		



Type
WT-01



Type
WT-02



Type
WT-03



Type
WT-04



Type
WT-05



Type
WT-06



Type
WT-07



Type
WT-08



Type
WT-09



Type
WT-10



Type
WT-11



Type
WT-12



Type
WT-13



Type
WT-14



Type
WT-15



Type
WT-16



Type
OP-01



Type
OP-02



Type
OP-03



Type
OP-04



Type
OP-05



Type
OP-06



Type
OP-07



Type
SS-01



Type
SS-02



Type
SS-03



Type
SS-04



Type
SS-05



Type
SS-06



Type
SS-07

SENSORS, SENDERS & SWITCHES

64



Type
SS-08



Type
SS-09



Type
SC-01



Type
SC-03



Type
SC-03



Type
SC-04



Type
SC-05



Type
NS-01



Type
NS-02



Type
NS-03



Type
NS-04



Type
NS-05



Type
NS-06



Type
NS-07



Type
NS-08



Type
AU-01

CLARK

Part#	Description	Type
2378525	Pressure Switch	SC-04
2383952	Oil Pressure Switch	OP-07
888765	Oil Pressure Switch	OP-05
918529	Oil Pressure Switch	OP-04
920227	Oil Pressure Switch	OP-05
920238	Water Temperature Sender	WT-08
920441	Oil Pressure Switch	OP-05

DOOSAN

Part#	Description	Type
A214065	Oil Pressure Switch	OP-07
A218441	Oil Pressure Switch	OP-05
A218784	Low Pressure Switch	OP-07
D700261	Water Temperature Sender	WT-11

HYSTER

Part#	Description	Type
1351133	Pressure Switch	SC-04
1360086	Oil Pressure Switch	OP-05
1361140	Water Temperature Sender	WT-07
1361867	Water Temperature Sender	WT-04
1367633	Water Temperature Sender	WT-04
1375878	Oil Pressure Switch	OP-02
1559923	Cam Sensor	SS-02
1584140	Water Temperature Sensor	SS-09
2026608	Oil Pressure Switch	OP-05
265832	Oil Pressure Switch	OP-07
314752	Water Temperature Sender	WT-05
366687	Oil Pressure Switch	OP-03

KALMAR AC

Part#	Description	Type
4941704	Stop Light Switch	SC-05

KALMAR AC

Part#	Description	Type
4949569	Neutral Safety Switch	NS-08
4783047	Oil Pressure Switch	OP-07
4920089	Oil Pressure Switch	OP-05
4941454	Water Temperature Sender	WT-12
4942519	Oil Pressure Switch	OP-06
4947974	Water Temperature Sender	WT-03
4968877	Water Temperature Sender	WT-01
4968878	Oil Pressure Switch	OP-05

KOMATSU

Part#	Description	Type
08073-10505	Oil Pressure Switch	OP-01
25080-89900	Water Temperature Sender	WT-03
25080-89900N	Water Temperature Sender	WT-15
25080-89903	Water Temperature Sender	WT-01
25240-89910	Oil Pressure Switch	OP-06
25240-FJ10A	Oil Pressure Switch	OP-05
307-06-16340	Water Temperature Sender	WT-12
34A-55-26110	Neutral Safety Switch	NS-08
34B-55-15230	Stop Light Switch	SC-05
3EB-55-21980	Neutral Safety Switch	NS-08
YM114250-39450	Oil Pressure Switch	OP-06

MITSI / CAT

Part#	Description	Type
05204-50200	Water Temperature Sender	WT-10
05204-50300	Water Temperature Sender	WT-08
31A90-00300	Oil Pressure Switch	OP-05
32A90-00300	Water Temperature Sender	WT-16
90425-00390	Oil Pressure Switch	OP-05
90425-02010	Water Temperature Sender	WT-01
90425-02020	Water Temperature Sensor	SS-08
90425-08080	Sensor, Fuel Pressure	SS-05
91204-08100	Neutral Safety Switch	NS-02
91306-45200	Forward/Reverse Switch	SC-03
91406-42800	Forward/Reverse Switch	SC-03
91920-05600	Oil Pressure Switch	OP-03
91A51-08400	Accelerator Unit	AU-01
91H20-01160	Crankshaft Sensor	SS-04
91H20-21170	Camshaft Sensor	SS-03
93720-09915	Cam Sensor	SS-02
97C41-21900	Forward/Reverse Switch	SC-03
97C41-31500	Forward/Reverse Switch	SC-03
MC840219	Oil Pressure Switch	OP-05
MD138993	Oil Pressure Switch	OP-05

NISSAN

Part#	Description	Type
16638-FJ460	Sensor, Fuel Pressure	SS-05
18919-AM810	Accelerator Unit	AU-01
22630-44B20	Water Temperature Sensor	SS-08
23731-6J906	Crankshaft Sensor	SS-04
25080-89900	Water Temperature Sender	WT-03
25080-89900N	Water Temperature Sender	WT-15
25080-89903	Water Temperature Sender	WT-01
25080-FM000	Water Temperature Sender	WT-16
25240-89902	Oil Pressure Switch	OP-06

NISSAN

Part#	Description	Type
25240-89910	Oil Pressure Switch	OP-06
25240-FJ10A	Oil Pressure Switch	OP-05
31918-50K10	Neutral Safety Switch	NS-04
B3731-6N20C	Camshaft Sensor	SS-03

TCM

Part#	Description	Type
12003-42451	Neutral Safety Switch	NS-07
124S3-82041	Neutral Safety Switch	NS-05
20802-52391	Neutral Safety Switch	NS-06
212T1-09501	Oil Pressure Switch	OP-04
214A2-42231	Water Temperature Sender	WT-09
23652-44001	Water Temperature Sender	WT-03
25080-89900	Water Temperature Sender	WT-03
25080-89900N	Water Temperature Sender	WT-15
25080-89903	Water Temperature Sender	WT-01
25240-89910	Oil Pressure Switch	OP-06
25240-FJ10A	Oil Pressure Switch	OP-05
25240-FM00A	Oil Pressure Switch	OP-05
T-B366-18-501	Oil Pressure Switch	OP-05
T-BP09-18-51XA	Water Temperature Sender	WT-13
T-G607-18-510	Water Temperature Sender	WT-14

TOYOTA

Part#	Description	Type
17410-26600-71	Oxygen Sensor	SS-07
32752-12011-71	Neutral Safety Switch	NS-03
32752-22800-71	Neutral Safety Switch	NS-01
57410-21800-71	Oil Pressure Switch	OP-07
57420-U2100-71	Pressure Switch	SC-04
57510-13300-71	Sensor, Accelerator	SS-01
83420-76001-71	Water Temperature Sender	WT-02
83420-76003-71	Water Temperature Sender	WT-02
83420-76004-71	Water Temperature Sender	WT-02
83530-76005-71	Oil Pressure Switch	OP-05
83530-76008-71	Oil Pressure Switch	OP-04
83530-78202-71	Oil Pressure Switch	OP-05
83530-78203-71	Oil Pressure Switch	OP-04
83530-U2120-71	Oil Pressure Switch	OP-05
89465-76001-71	Oxygen Sensor	SS-06

UNIVERSAL

Part#	Description	Type
896054	Hydraulic Switch	SC-01
9537	Switch	SC-02

YALE

Part#	Description	Type
0591545-00	Pressure Switch	SC-04
5030553-00	Oil Pressure Switch	OP-07
5800005-75	Oil Pressure Switch	OP-02
5800489-80	Cam Sensor	SS-02
5800569-83	Water Temperature Sensor	SS-09
9000102-93	Oil Pressure Switch	OP-03
9002928-59	Water Temperature Sender	WT-05
9012838-15	Water Temperature Sender	WT-06
9013038-37	Water Temperature Sender	WT-04
9018608-07	Oil Pressure Switch	OP-05

HYSTER



1329169

HYSTER



1371573

HYSTER



1388911

HYSTER



2021741

HYSTER



2038182

HYSTER



2040517

HYSTER



2054530

HYSTER



2054531

HYSTER



370085

KOMATSU / KALMAR AC



3EA-04-F2210 / 4968970

KOMATSU / KALMAR AC



3EA-04-F2310 / 4966498

KOMATSU / KALMAR AC



3EB-04-11310 / 4940757

KOMATSU / KALMAR AC



3EB-04-A2110 / 4949183

KOMATSU



3EB-04-A2410

KOMATSU / KALMAR AC



3EB-04-A5111 / 8761212

KOMATSU / KALMAR AC



3EB-04-A5211 / 8761213

KOMATSU



3EB-04-A6110

KOMATSU / KALMAR AC



3EB-04-F2110 / 4968968

KOMATSU / KALMAR AC



3EB-04-F5110 / 8763185

KOMATSU / KALMAR AC



3EC-04-A2510 / 4969676

KOMATSU / KALMAR AC


3EC-04-A5310 / 8764958

MITSI / CAT


91301-00400

MITSI / CAT


91301-01700

MITSI / CAT


91402-24300

MITSI / CAT


91601-14200

MITSI / CAT


91E01-00010

MITSI / CAT


93101-05300

MITSI / CAT


93101-26400

MITSI / CAT


93601-00100

MITSI / CAT


93601-20400

MITSI / CAT


93701-30100

MITSI / CAT


93701-50100

MITSI / CAT


93E01-00010

NISSAN


21450-FC30A

NISSAN


21460-6G000

NISSAN


21460-6G101

NISSAN


21460-6G160

NISSAN


21460-90H10

NISSAN


21460-90H15

NISSAN


21460-91H10

NISSAN



21460-93H00

NISSAN



21460-97H00

TCM



20A72-10101A

TCM



226B2-10101

TCM



24842-10202

TCM



FA12T2-10702

TCM



FA15E2-10202

TCM



FA15G2-10201

TCM



FA18N2-10102

TCM



FA33B6-62001

TCM



FA34B6-62001

TCM



FA36L2-10102

TCM



FA37B2-70311B

TOYOTA



16400-22010-71

TOYOTA



16400-22030-71

TOYOTA



16410-23651-71

TOYOTA



16410-U1000-71

TOYOTA



16410-U1040-71

TOYOTA



16410-U110071

TOYOTA



16410-U1130-71

TOYOTA



16410-U1201-71

TOYOTA



16410-U2000-71

TOYOTA



16410-U2010-71

TOYOTA



16410-U2130-71

TOYOTA



16410-U2150-71

TOYOTA



16410-U2171-71

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16410-U2201-71

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16410-U3000-71

TOYOTA



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16410-U3330-71

TOYOTA



16410-U3350-71

TOYOTA



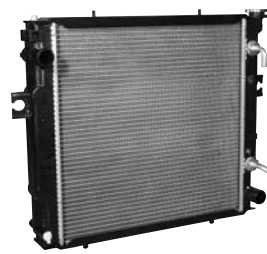
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16420-21830-71

TOYOTA



16420-U1250-71

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16420-U1280-71

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16420-U2170-71

TOYOTA



16420-U2230-71

TOYOTA



16420-U3500-71

TOYOTA



16450-23430-71

RADIATORS

70

TOYOTA



16460-23430-71

TOYOTA



16460-U1280-71

TOYOTA



16460-U2230-71

YALE



5800022-32

YALE



5800353-05

YALE



5800353-06

YALE



5800376-62

YALE



9071646-00

YALE



9099056-00

YALE



9118756-00

YALE



9119046-00

YALE



9124956-01

YALE



9138276-00

CLARK



2390951

CLARK



2390952

CLARK



2395021

CLARK



2395548

CLARK



2395549

CLARK



2793256

CLARK



2793257

CLARK



2793258

CLARK



2793259

CLARK



2796337

CLARK



2796338

CLARK



2796971

CLARK



2796972

DOOSAN



A212297

DOOSAN



A212298

DOOSAN



A212509

DOOSAN



A212510

DOOSAN



A212971

DOOSAN



A212972

DOOSAN



A219387

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A221589

DOOSAN



A221590

DOOSAN



A221913

DOOSAN



A341055








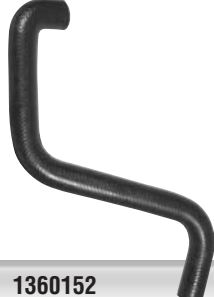

















DOOSAN



A341057

RADIATOR HOSES

72

DOOSAN  A341058	DOOSAN  A341065	HYSTER  1339651	HYSTER  1344087	HYSTER  1344088
HYSTER  1351527	HYSTER  1351529	HYSTER  1360152	HYSTER  1371400	HYSTER  1371401
HYSTER  1375132	HYSTER  1376722	HYSTER  1380854	HYSTER  1488687	HYSTER  2021762
HYSTER  2021765	HYSTER  2022842	HYSTER  2022843	HYSTER  2059211	HYSTER  2063080
HYSTER  2063081	HYSTER  2064053	HYSTER  2064054	HYSTER  2069686	HYSTER  2069698

HYSTER



2069699

HYSTER



2072893

HYSTER



2073405

HYSTER



2085103

HYSTER



2085255

HYSTER



300841

HYSTER



300842

HYSTER



333032

HYSTER



377239

HYSTER



377240

KOMATSU



34A-04-11610

KOMATSU



34B-04-11521

KOMATSU



34B-04-11532

KOMATSU
KALMAR AC

3EA-04-12910
4940375

KOMATSU
KALMAR AC

3EA-04-12920
4940376

KOMATSU
KALMAR AC

3EA-04-26720
4964921

KOMATSU
KALMAR AC

3EB-04-12220
4940758

KOMATSU
KALMAR AC

3EB-04-12230
4940759

KOMATSU



3EB-04-12720

KOMATSU
KALMAR AC

3EB-04-12730
4943207

KOMATSU
KALMAR AC

3EB-04-23220
4949229

KOMATSU
KALMAR AC

3EB-04-23230
4949230

KOMATSU
KALMAR AC

3EB-04-23720
4949233

KOMATSU
KALMAR AC


























3EB-04-23730
4949234

KOMATSU
KALMAR AC

3EB-04-A5121
8761217

RADIATOR HOSES

74

KOMATSU  3EB-04-A5122	KOMATSU  3EB-04-A5123	KOMATSU KALMAR AC  3EB-04-A5131 8761218	KOMATSU  3EB-04-A5132	KOMATSU KALMAR AC  3EB-04-A5221 8761221
KOMATSU KALMAR AC  3EB-04-A5231 8761222	KOMATSU  3EB-04-A6130	KOMATSU  3EB-04-A7511	KOMATSU  3EB-04-A7521	MITSI / CAT  91101-10300
MITSI / CAT  91101-10400	MITSI / CAT  91202-04600	MITSI / CAT  91202-04700	MITSI / CAT  91202-28700	MITSI / CAT  91401-06400
MITSI / CAT  91401-16300	MITSI / CAT  91401-20200	MITSI / CAT  91402-06600	MITSI / CAT  91402-10100	MITSI / CAT  91402-10200
MITSI / CAT  91402-25200	MITSI / CAT  91402-35100	MITSI / CAT  91B01-10400	MITSI / CAT  91B01-30300	MITSI / CAT  91E01-10300

MITSI / CAT



91E01-40200

MITSI / CAT



93101-02200

MITSI / CAT



93101-02300

MITSI / CAT



93101-15100

MITSI / CAT



93101-15200

MITSI / CAT



93101-15700

MITSI / CAT



93101-15800

MITSI / CAT



93401-00100

MITSI / CAT



93401-15100

MITSI / CAT



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MITSI / CAT



93401-15500

MITSI / CAT



93B01-00300

MITSI / CAT



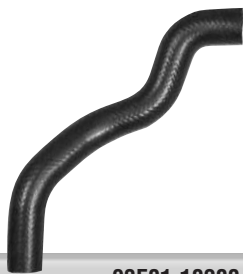
93B01-10200

MITSI / CAT



93E01-00300

MITSI / CAT



93E01-10200

NISSAN



21501-05H03

NISSAN



21501-06H03

NISSAN



21501-15H03

NISSAN



21501-15H13

NISSAN



21501-24H03

NISSAN



21501-4G300

NISSAN



21501-5G100

NISSAN



21501-5G300












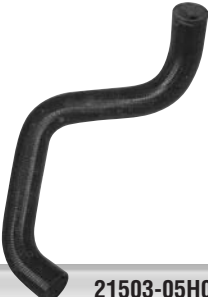











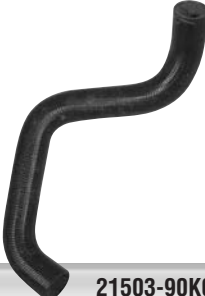

NISSAN



21501-6G460

RADIATOR HOSES

76

NISSAN  21501-90H15	NISSAN  21501-90K00	NISSAN  21501-90K05	NISSAN  21501-90K10	NISSAN  21501-90K15
NISSAN  21501-93H00	NISSAN  21501-FC001	NISSAN  21501-FJ100	NISSAN  21501-FK101	NISSAN  21501-L1100
NISSAN  21501-L3200	NISSAN  21503-05H03	NISSAN  21503-06H03	NISSAN  21503-15H03	NISSAN  21503-15H13
NISSAN  21503-24H03	NISSAN  21503-5G560	NISSAN  21503-6G000	NISSAN  21503-6G100	NISSAN  21503-6G300
NISSAN  21503-6G460	NISSAN  21503-6G700	NISSAN  21503-90K00	NISSAN  21503-90K05	NISSAN  21503-90K10

NISSAN


21503-90K15

NISSAN


21503-93H00

NISSAN


21503-FC000

NISSAN


21503-FJ100

NISSAN


21503-FK100

NISSAN


21503-L1102

NISSAN


21503-L3200

TCM


210F2-12022

TCM


210K2-12011

TCM


21232-12001

TCM


21232-12011

TCM

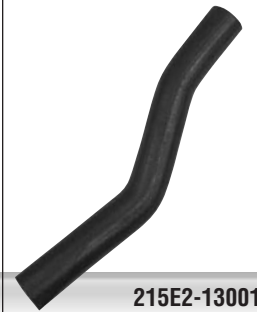

212T2-12051

TCM


212T2-12061

TCM


215B2-12011

TCM


215E2-13001

TCM


215E2-13011

TCM


215W2-12001

TCM


215W2-12011

TCM


216G2-12021

TCM


218G2-12001

TCM


228F2-12001

TCM


228F2-12011

TCM


228S2-12011

TCM



















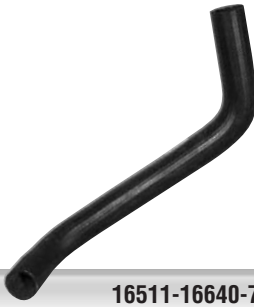







22B52-12001

TCM


22B52-12011

RADIATOR HOSES

78

TCM  23032-12001	TCM  23032-12011	TCM  23202-12001	TCM  23202-12011	TCM  233A2-12001
TCM  233A2-12011	TCM  237A2-12001	TCM  237A2-12011	TCM  24232-12001	TCM  24232-12011
TCM  24472-12001	TCM  24472-12011	TCM  24842-12002	TCM  24842-12012	TCM  249M2-12101
TCM  25532-12001	TOYOTA  16511-12620-71	TOYOTA  16511-12810-71	TOYOTA  16511-16640-71	TOYOTA  16511-22750-71
TOYOTA  16511-22810-71	TOYOTA  16511-22820-71	TOYOTA  16511-23340-71	TOYOTA  16511-23620-71	TOYOTA  16511-26600-71

TOYOTA



16512-12620-71

TOYOTA



16512-12800-71

TOYOTA



16512-16600-71

TOYOTA



16512-16640-71

TOYOTA



16512-22750-71

TOYOTA



16512-22810-71

TOYOTA



16512-22820-71

TOYOTA



16512-23020-71

TOYOTA



16512-23340-71

TOYOTA



16512-23420-71

TOYOTA



16512-23620-71

TOYOTA



16512-26600-71

TOYOTA



16571-22020-71

TOYOTA



16572-22020-71

YALE



5059695-85

YALE



5200358-00

YALE



5200358-02

YALE



5200358-52

YALE



5800001-65

YALE



5800001-66

YALE



5800033-25

YALE



5800033-26

YALE



5800205-86

YALE



5800388-61



























YALE



5800429-87

RADIATOR HOSES

80

<p>YALE</p>  <p>5800429-88</p>	<p>YALE</p>  <p>5800442-22</p>	<p>YALE</p>  <p>5800442-23</p>	<p>YALE</p>  <p>5800512-02</p>	<p>YALE</p>  <p>5800512-03</p>	
<p>YALE</p>  <p>5800548-28</p>	<p>YALE</p>  <p>5800554-62</p>	<p>YALE</p>  <p>5800685-87</p>	<p>YALE</p>  <p>5800689-52</p>	<p>YALE</p>  <p>5800690-00</p>	
<p>YALE</p>  <p>9073574-00</p>	<p>YALE</p>  <p>9082284-00</p>	<p>YALE</p>  <p>9082294-00</p>	<p>YALE</p>  <p>9113904-00</p>	<p>YALE</p>  <p>9113914-00</p>	
<p>YALE</p>  <p>9113924-00</p>	<p>YALE</p>  <p>9115694-00</p>	<p>YALE</p>  <p>9153794-02</p>	<p>YALE</p>  <p>9153804-01</p>	<p>YALE</p>  <p>9154164-02</p>	
<p>YALE</p>  <p>9154164-03</p>	<p>YALE</p>  <p>9154174-02</p>	<p>YALE</p>  <p>9155004-01</p>	<p>YALE</p>  <p>9155004-02</p>	<p>YALE</p>  <p>9157604-00</p>	<p>YALE</p>  <p>9161374-00</p>



HOSE CLAMPS

SOLD IN BOXES OF 10



Part #	CLAMP DIAMETERS				SAE Size No.	Fits Hose Inner Diameter (inches)
	Inches		Milimeters			
	Min	Max	Min	Max		
CL-5206	3/8	7/8	10	22	6	5/16 to 3/8
CL-5208	7/16	1	11	25	8	5/16 to 1/2
CL-5210	1/2	1-1/16	13	27	10	3/8 to 5/8
CL-5212	1/2	1-1/4	13	32	12	3/8 to 3/4
CL-5216	3/4	1-1/2	19	38	16	3/4 to 7/8
CL-5220	3/4	1-3/4	19	44	20	3/4 to 1-1/8
CL-5224	1	2	26	50	24	7/8 to 1-3/8
CL-5228	1-5/16	2-1/4	34	57	28	1-1/4 to 1-5/8
CL-5232	1-9/16	2-1/2	40	64	32	1-1/2 to 1-7/8
CL-5236	7/8	2-3/4	23	70	36	3/4 to 2
CL-5240	1-1/8	3	29	76	40	1 to 2-1/4
CL-5244	1-5/16	3-1/4	34	82	44	1-1/4 to 2-1/2
CL-5248	1-5/8	3-1/2	42	90	48	1-1/2 to 2-3/4
CL-5252	1-7/8	3-3/4	48	95	52	1-3/4 to 3



Style A

RADIATOR CAPS



Style B

CLARK		
Part#	PSI	Style
2774743	13 lbs.	B
2775440	13 lbs.	B
907560	13 lbs.	B
925303	13 lbs.	A
926014	13 lbs.	A
DOOSAN		
Part#	PSI	Style
D460972	7 lbs.	A
HYSTER		
Part#	PSI	Style
1352140	15 lbs.	A
178899	15 lbs.	B
2022397	13 lbs.	A
KALMAR AC		
Part#	PSI	Style
4940755	13lbs.	B
4949074	13 lbs.	A
8761209	13 lbs.	A
8764959	7 lbs.	A
KOMATSU		
Part#	PSI	Style
3EB-04-11130	13 lbs.	B
3EC-04-A5120	7 lbs.	A
CPC89C0025010	13 lbs.	A
CPC89C0175010	13 lbs.	A
MISTI / CAT		
Part#	PSI	Style
42713-30600	13 lbs.	A
91201-02100	13 lbs.	B

MISTI / CAT		
Part#	PSI	Style
91201-07900	13 lbs.	B
NISSAN		
Part#	PSI	Style
21430-01F02	13 lbs.	A
21430-89907	15 lbs.	B
21430-91H00	13 lbs.	A
21430-FK300	9 lbs.	A
TCM		
Part#	PSI	Style
222A2-10211	13 lbs.	A
23652-12111	13 lbs.	B
25592-13021	13 lbs.	B
TOYOTA		
Part#	PSI	Style
16401-23000-71	13 lbs.	A
16401-76002-71	7 lbs.	A
16401-U2000-71	13 lbs.	A
16401-U2170-71	7 lbs.	A
YALE		
Part#	PSI	Style
5059725-63	15 lbs.	A
5176958-00	7 lbs.	A
5800028-81	13 lbs.	B
9018938-02	7 lbs.	A
9019008-02	13 lbs.	A
9019138-02	13 lbs.	A

CLARK


1232510

CLARK


3768064

CLARK


4320557

CLARK


909301

CLARK


924942

CLARK


928567

CLARK


992033

DOOSAN


4P4212

DOOSAN


65.06500-6094

DOOSAN


9Y5969

DOOSAN


A218276

DOOSAN


A218653

DOOSAN


A232111

DOOSAN


D490720

DOOSAN


D700615

HYSTER


1358529

HYSTER


1361811

HYSTER


1375989

HYSTER


1376005

HYSTER


1377786

HYSTER



1389100

HYSTER



1450553

HYSTER



1498507

HYSTER



1584456

HYSTER



2028644

HYSTER



2053667

HYSTER



381355

HYSTER



388365

HYSTER



865434

KALMAR AC



4921313

KOMATSU



16120-78004-71

KOMATSU



21010-03J25 / 4968806

KOMATSU



21010-78226

KOMATSU / KALMAR AC



21010-C6526 / 4947900

KOMATSU / KALMAR AC



21010-FF225 / 8772259

KOMATSU / KALMAR AC



21010-FU425 / 8761949

KOMATSU / KALMAR AC



21010-L1128 / 4942349

KOMATSU / KALMAR AC



21010-VB025 / 8775070

KOMATSU



8-94376-863-0

KOMATSU



HE40-2035079

MITSI / CAT


90420-05340

MITSI / CAT


90425-01830

MITSI / CAT


91920-09100

MITSI / CAT


91H20-02580

MITSI / CAT


9Y5982

MITSI / CAT


MCF00036

MITSI / CAT


MCF00041

MITSI / CAT


MCF00310

MITSI / CAT


MD972003

MITSI / CAT


MD972457

MITSI / CAT


MD972502

MITSI / CAT


MD997610

NISSAN


21010-03J25

NISSAN


21010-06J25

NISSAN


21010-13226

NISSAN


21010-20H25

NISSAN


21010-37585

NISSAN


21010-37726

NISSAN


21010-40K31

NISSAN


21010-615Y5

NISSAN


21010-78226

NISSAN


21010-C6526

NISSAN


21010-FF225

NISSAN


21010-FU425

NISSAN


21010-FZ800

NISSAN


21010-L1128

NISSAN


21010-L1625

NISSAN


21010-VB025

PERKINS


U5MW0054

PERKINS


U5MW0062

PERKINS


U5MW0104

PERKINS


U5MW0105

PERKINS


U5MW0106

PERKINS


U5MW0108

PERKINS


U5MW0112

PERKINS


U5MW0133

PERKINS


U5MW0144

PERKINS


U5MW0192

TCM


21010-13226

TCM


21010-20H25

TCM



21010-78226

TCM



21010-C6526

TCM



21010-FF225

TCM



21010-FU425

TCM



21010-FZ800

TCM



21010-L1128

TCM



21010-L1625

TCM



212T1-09451

TCM



T-8AK1-15-010

TCM



T-8AZ2-15-100

TCM



Z8943768300

TCM



Z8943768630

TOYOTA



16100-77100-71

TOYOTA



16100-78202-71

TOYOTA



16100-78300-71

TOYOTA



16100-U2120-71

TOYOTA



16100-U3161-71

TOYOTA



16110-78156-71

TOYOTA



16120-10940-71

TOYOTA



16120-23040-71

TOYOTA


16120-32082-71

TOYOTA


16120-76001-71

TOYOTA


16120-78004-71

TOYOTA


16120-78005-71

TOYOTA


16120-78052-71

TOYOTA


16120-78151-71

YALE


1501187-24

YALE


1501209-03

YALE


5059605-79

YALE


5127818-01

YALE


5185910-07

YALE


5200468-39

YALE


5242526-71

YALE


5800003-07

YALE


5800343-55

YALE


5800571-37

YALE


9000052-96

YALE


9019598-01

CLARK

Part#	Engine
1232510	4G63 & 4G64
3768064	4G52 & 4G54
4320557	4G32
865774	Continental
909301	4G54
924942	GM
928567	GM 6cyl.
992033	Chrysler 225
994164	Continental

DOOSAN

Part#	Engine
4P4212	Peugeot
65.06500-6094	C240
9Y5969	Peugeot
A218276	4G63 & 4G64
A218653	GM
A232111	GM Vortex 4.3L 6cyl.
D490720	K21 & K25
D700615	Peugeot

HYSTER

Part#	Engine
1358529	GM 2.2L 4cyl.
1361811	FE
1375989	C240
1376005	VA
1377786	GM 4.3L 6cyl.
1389100	GM Vortex 4.3L 6cyl.
1450553	GM 4.3L 6cyl.
1498507	GM 3.0L 4cyl.
1584456	GM 2.4L 4cyl.
2028644	F2
2053667	GM 3.0L 4cyl.
3001066	Continental
381355	GM 4.3L 6cyl.
388365	GM 3.0L 4cyl.
865434	F2

KALMAR AC

Part#	Engine
4921313	4G52 & 4G54
4942349	H20
4947900	P40
4968806	TB45
8761949	H20 II
8772259	K21 & K25
8775070	TB45

KOMATSU

Part#	Engine
16120-78004-71	4P
21010-03J25	TB42

KOMATSU

Part#	Engine
21010-C6526	P40
21010-FF225	H20 II
21010-FU425	K21 & K25
21010-L1128	H20-new style
21010-VB025	TB45
8-94376-863-0	C-240
HE40-2035079	Hercules

MITSI / CAT

Part#	Engine
90425-01830	TB45
91920-09100	GM 6cyl.
91H20-02580	K21 & K25
971112	Continental
9Y5982	Peugeot
MCF00036	Peugeot
MCF00041	Peugeot
MCF00310	Peugeot
MD972003	6G72
MD972457	4G63 & 4G64
MD972502	4G52 & 4G64
MD997610	4G33

NISSAN

Part#	Engine
21010-03J25	TB42
21010-06J25	TD42
21010-13226	J15-old style
21010-20H25	Z24
21010-37585	SD25
21010-37726	SD22
21010-40K31	TD27
21010-615Y5	SD33
21010-78226	H20-old style
21010-C6526	P40
21010-FF225	H20 II
21010-FU425	K21 & K25
21010-FZ800	A15
21010-L1128	H20-new style
21010-L1625	J15-new style
21010-VB025	TB45

PERKINS

Part#	Engine
U5MW0054	Diesel
U5MW0062	Diesel
U5MW0104	Diesel
U5MW0105	Diesel
U5MW0106	Diesel
U5MW0108	Diesel
U5MW0112	Diesel
U5MW0133	Diesel
U5MW0144	Diesel

PERKINS

Part#	Engine
U5MW0192	Diesel

TCM

Part#	Engine
21010-13226	J15-old style
21010-78226	H20-old style
21010-C6526	P40
21010-FF225	H20 II
21010-FU425	K21 & K25
21010-FZ800	A15
21010-L1128	H20-new style
21010-L1625	J15-new style
21010-VB025	TB45
212T1-09451	4Y
T-8AK1-15-010	F2 & FE
T-8AZ2-15-100	F2
Z8943768300	C240
Z8943768630	C240 PKJ

TOYOTA

Part#	Engine
16100-77100-71	3F
16100-78202-71	1DZ
16100-78300-71	1Z & 13Z
16100-U2120-71	GM 4181 4cyl.
16100-U3161-71	GM 4.3L 6cyl.
16110-78156-71	4Y 7 Series
16120-10940-71	2J
16120-23040-71	2J
16120-32082-71	5P
16120-76001-71	4P
16120-78004-71	4P
16120-78005-71	4P
16120-78052-71	5R
16120-78151-71	4Y 5 & 6 Series

YALE

Part#	Engine
1501187-24	F2
1501209-03	GM 3.0L
5059605-79	FE
5127818-01	Chrysler 225
5185910-07	UA & VA
5200468-39	GM Vortex 4.3L 6cyl.
5242526-71	D5
5800003-07	GM 4.3L 6cyl.
5800343-55	GM 3.0L 4cyl.
5800571-37	GM 2.4L 4cyl.
9000052-96	GM 4.3L 6cyl.
9019598-01	Chrysler 239

DOOSAN

A213831
DOOSAN

A223110
DOOSAN

A250704
HYSTER

1361817
HYSTER

1370716
HYSTER

1375642
HYSTER

2029119
KOMATSU

16312-10113-71
KOMATSU / KALMAR AC

21060-48210 / 4942359
KOMATSU / KALMAR AC

21060-87V00 / 4901388
KOMATSU

21060-FU40A
KOMATSU

21060-K8460
KOMATSU / KALMAR AC

21060-L6000 / 4918749
KOMATSU

600-613-0410
KOMATSU

600-613-0440
KOMATSU / KALMAR AC

YM129900-4470 / 8762498
MITSI / CAT

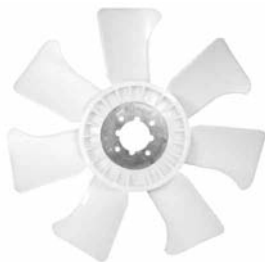
32A48-00300
MITSI / CAT

7C0642
MITSI / CAT

91201-10200
MITSI / CAT

91202-17400

MITSI / CAT

91301-00200
MITSI / CAT

91801-12501
MITSI / CAT

91H20-02670
NISSAN

21060-48210
NISSAN

21060-87V00
NISSAN

21060-90073
NISSAN

21060-FM000
NISSAN

21060-FU40A
NISSAN

21060-L0710
NISSAN

21060-L6000
NISSAN

21060-L6200
TCM

21060-48210
TCM

21060-87V00
TCM

21060-FU40A
TCM

21060-L6000
TCM

212T1-05981
TCM

T-F2SM-15-141
TOYOTA

16312-10113-71
TOYOTA

16361-22020-71
TOYOTA

16361-22040-71

TOYOTA



16361-23060-71

TOYOTA



16361-23860-71

TOYOTA



16361-30510-71

TOYOTA



16361-32080-71

YALE



5800007-27

YALE



9005348-60

YALE



9013028-44

YALE



9015798-32

DOOSAN

Part#	Engine
A213831	H20 II
A223110	Hercules
A250704	Hercules

HYSTER

Part#	Engine
1361817	FE
1370716	VA & D5
1375462	GM 2.4 & 3.0L, F2, FE & 2.6L
2029119	F2

KALMAR AC

Part#	Engine
4901388	H20 II
4918749	H30 & SD33
4942359	H20
8762498	4D94E Diesel

KOMATSU

Part#	Engine
16312-10113-71	4P & 5K
21060-48210	H20
21060-87V00	H20 II
21060-FU40A	K21 & K25
21060-K8460	TB42
21060-L6000	H30 & SD33
600-613-0410	4D95S-W
600-613-0440	4D95L-1
YM129900-4470	4D94E Diesel

MITSI / CAT

Part#	Engine
32A48-00300	S4S
7C0642	Hercules
91201-10200	4G33, 52, 54
91202-17400	4G63, 64 K-Series
91301-00200	4G63 & 4G64
91801-12501	S6E, S6S, 6G72 & GM
91H20-02670	K21 & K25

NISSAN

Part#	Engine
21060-48210	A15, J15 & H20
21060-87V00	H20 II
21060-90073	TD27
21060-FU40A	K21 & K25
21060-FM000	33L4C
21060-L0710	H20
21060-L6000	H30 & SD33
21060-L6200	P40

TCM

Part#	Engine
21060-48210	A15, J15 & H20
21060-87V00	H20 II
21060-FU40A	K21 & K25
21060-L6000	H30 & SD33
212T1-05981	4Y
T-F2SM-15-141	F2

TOYOTA

Part#	Engine
16312-10113-71	4P & 5K
16361-22020-71	2J, 4P, 5R & 5P
16361-22040-71	1Z, 2J 4P & 5R
16361-23060-71	4Y 5 Series
16361-23860-71	4Y 6 & 7 Series
16361-30510-71	13Z
16361-32080-71	2J, 4P, 5R & 5P

YALE

Part#	Engine
5800007-27	GM 2.4 & 3.0L, F2, FE & 2.6L
9005348-60	UA, VA & D5
9013028-44	FE
9015798-32	F2

FAN SUPPORT



91301-40100	MITSI / CAT
91301-50100	MITSI / CAT

CLARK

Part#	Engine/Description
1307965	GM 3.0L
2358988	Continental
2381559	4G54
2740163	4G54
2742383	4G54
2775764	4G54
2802524	Waukesau
2814061	4G64
3790789	4G52
3790816	4G32
4307272	4G32 Timing Belt
7000351	GM 3.0L
799544	GM 4.3L
8000214	Waukesau
913259	Waukesau
918706	4G64 Timing Belt
920231	4G64
920294	4G63 Timing Belt
992223	GM 3.0L

DOOSAN

Part#	Engine/Description
65.96801-0004	GM G430
A213971	4G64
A218162	4G64 Timing Belt
A218469	GM 3.0L
A218470	GM 3.0L
A218851	GM 2.4L & 3.0L
A252036	MMCG420 Timing Belt
A273823	4G64
D141101	Hercules 2.7L & 1404
D141102	Peugeot XN1P
D490878	H20

HYSTER

Part#	Engine/Description
108102	Perkins
111107	C240
118135	C240
1361139	C240
1361733	FE Timing Belt
1361847	FE & F2
1368841	FE & F2
1377755	GM 4.3L Serpentine
1384008	FE
1457875	Perkins
1495412	FE & F2
1526078	GM 3.0L
1526079	GM 3.0L
172895	GM 3.0L
175911	VA
191845	GM 3.0L
201435	Chrysler
2028852	F2 Timing Belt
2036497	GM 4.3L Serpentine
2043404	GM 4.3L Serpentine
2067889	GM 2.4L Serpentine
2070039	GM 2.4L Serpentine
2071445	Tier II Serpentine
248069	Chrysler
3064467	Perkins
308282	VA

HYSTER

Part#	Engine/Description
328565	GM 4.3L
346122	VA
353393	GM 4.3L
355150	VA
377256	GM 3.0L
377332	Perkins
392328	GM 3.0L
981885	VA

KALMAR AC

Part#	Engine/Description
4920189	4G
4941442	P/S
4942145	H20
4942361	H20
4942492	P40
4942503	P40
4965293	4D95S-W
4966574	H20
4968641	TB42
4968642	H20II & TB42
4968643	TB42
8761967	H20II
8762496	4D94E

KOMATSU

Part#	Engine/Description
02117-21521	K21 & K25
11720-52H01-F1	TB42
11720-52H05-F1	TB42
11720-87V10	H20II & H25
11720-B1101	H20
11720-C6000	P40
11720-K7201	H20
11721-H7201	TB42 & 6D95L
19104-K7206	H20
21067-K7320	H20
21067-L9400	P40
304-60-24860	H20
6204-81-3270	4D95S-W
99322-01010	5K
YM25132-004600	4D94E

MITSUBISHI / CATERPILLAR

Part#	Engine/Description
05910-10043	4G33 & 4G63
05910-10045	4G64
05910-10046	S4S
05910-20046	S6S
5M8137	Continental
91201-10900	4G52 Timing Belt
91201-17600	4G33 Timing Belt
91401-09800	4G52 & 4G63
91401-16800	4G52 & 4G54 Timing Belt
91401-19700	4G54
91402-01200	4G64
91402-03400	4G63
91601-11300	4G52 & 4G54 Timing Belt
91801-07600	S6E
91801-08600	6G72
91802-00600	GM 4.3L & S6S
91802-03600	GM 4.3L & S6S

MITSUBISHI / CATERPILLAR

Part#	Engine/Description
91921-06300	GM 4.3L
91H20-02560	K25
91H20-02570	K21
91H20-03350	K21 & K25
MD113561	4G33 Timing Belt
MD154243	4G64 Timing Belt
MD197137	4G63 Timing Belt
MM115231	4G33
MM115232	4G52 & 4G54
MM317470	6G72
MM407440	4G63 & 4G64

NISSAN

Part#	Engine/Description
01978-10824	SD33
01978-10984	SD33
01978-11104	SD22
01978-11134	SD22
02117-00511	H20II
02117-03011	H20II
02117-03021	K21 & K25
02117-16523	TD42
02117-20021	K21 & K25
02117-21521	K21 & K25
02117-23021	K25
11720-10H05	SD25
11720-10H06	SD25
11720-20H00	Z24
11720-40K03	TD27 (2 / SET)
11720-52H01-F1	TB42
11720-52H05-F1	TB42
11720-52H06	TB42
11720-77702	TB42
11720-B1101	H20
11720-C6000	P40
11720-FM010	33L4C
11720-J0300	J15
11720-K7201	A15
11720-L1102	H20 & H30
11720-N9710	D11
21067-47605	D11
21067-L6200	P40
21067-L6801	H30
21067-L9400	TD42

TCM

Part#	Engine/Description
02117-00511	H20II
11720-87V10	H20II & H25
11720-K7201	A15 & H20
11720-L1102	H20
11721-69900	J15
19104-48000	D11
19104-K7202	H20
19104-K7206	J15 & H20
20801-04081	C240
20801-04101	H20II
20801-04111	D11
20801-04261	H20
20801-04331	J15
20802-42121	F2
21067-K7320	H20

TCM

Part#	Engine/Description
21067-L6801	H30
212T1-09101	4Y
53162-72141	J15 & H20
T-F202-12-SF0	F2 Timing Belt

TOYOTA

Part#	Engine/Description
16363-U2120-71	GM 4181
16371-31970-71	2F & 2H
16371-76011-71	1Z
16371-76031-71	13Z
16371-76034-71	GM 4.3L
16371-76035-71	2J
16372-13010-71	GM 4181
16373-30530-71	13Z
16373-31390-71	GM 4.3L
16374-32870-71	GM 4.3L
89322-76007-71	5R
89322-76009-71	4Y High Capacity
89343-76001-71	1DZ
89343-76006-71	2Z
90916-02952-71	4Y 5&6 Series
90916-02953-71	2Z
90916-02960-71	1Z & 2Z
90916-02961-71	1DZ
90916-02969-71	1DZ
90916-02974-71	3P & 4P
90916-02975-71	4Y 7 Series
90994-59233-71	GM 4.3L
99343-01125	13Z & GM 4.3L

YALE

Part#	Engine/Description
0653739-00	Chrysler
5024699-15	Chrysler
5059615-21	FE
5160408-79	GM 3.0L
5800090-92	GM 4.3L Serpentine
5800137-99	GM 4.3L
5800203-34	GM 4.3L Serpentine
5800241-57	FE & F2
5800358-82	GM 3.0L
5800358-83	GM 3.0L
5800490-98	GM 2.4L Serpentine
5800514-82	GM 4.3L Serpentine
9000112-64	GM 4.3L Serpentine
9002938-12	UA
9005398-18	VA
9008908-17	UA
9012828-28	D5
9012838-29	D5
9012948-29	FE Timing Belt
9013038-36	FE & F2
9015778-16	F2 Timing Belt
9041431-00	UA

THERMOSTATS

94

ALL THERMOSTATS INCLUDE THERMOSTAT GASKET



Type
A



Type
B



Type
C



Type
D



Type
E



Type
F



Type
G



Type
H

CLARK

Part#	Engine	Temp.	Type
907438	4G52	180°	E
911166	4G32	180°	E
913788	4G54	180°	E
920235	4G64	180°	E
925020	4G63	180°	E

DOOSAN

Part#	Engine	Temp.	Type
A218287	4G64	180°	E
A218760	GM	160°	E
D490736	H20	170°	C

HYSTER

Part#	Engine	Temp.	Type
1361820	FE	180°	E
1374109	GM 4.3L	180°	F
1450643	GM 4.3L	180°	E
1450696	GM 3.0L	180°	E
1456745	Perkins	180°	G
1495428	FE & F2	180°	E
151570	Perkins 1000-4	180°	E
1584121	GM 2.4L	192°	H
231522	GM 2.2L, 3.0L & 4.3L	180°	E
301793	Perkins 1000-4	170°	C
324370	C240	180°	E
326792	VA	160°	E

KALMAR AC

Part#	Engine	Temp.	Type
4920199	H20 & P40	180°	E
4942370	4G52	180°	E
4942505	P40	180°	D
4968819	P40 & TB42	180°	B
8761954	H20 II & H25	170°	C

KOMATSU

Part#	Engine	Temp.	Type
21200-03J05	P40 & TB42	180°	B
21200-C6000	P40	180°	D
21200-G3100	A15,J15 & H20	180°	E
21200-VB002	TB45	180°	D
21200-VJ200	H20 II	170°	C
600-421-6110	4D95 & 6D95	170°	C
600-421-6210	4D95 & 6D95	170°	C
6140-11-6310	4D95 & 6D95	170°	C
YM121850-49800	4D94E	170°	C

MITSI / CAT

Part#	Engine	Temp.	Type
32A46-02100	S4S & S6S	170°	C

MITSI / CAT

Part#	Engine	Temp.	Type
90425-02000	TB45	180°	D
91920-05100	GM 4.3L	180°	E
91H20-02680	K21 & K25	170°	C
MD972905	4G33,52,54,63 & 64	180°	E

NISSAN

Part#	Engine	Temp.	Type
21200-03J05	P40 & TB42	180°	B
21200-58G04	SD22 & SD25	170°	C
21200-96015	SD33	170°	C
21200-96061	SD25 & TD27	170°	C
21200-C6000	P40	180°	D
21200-G3100	A15,J15 & H20	180°	E
21200-OC811	K21 + K25	170°	C
21200-VB002	TB45	180°	D
21200-VJ200	H20 II	170°	C

TCM

Part#	Engine	Temp.	Type
21200-G3100	A15,J15 & H20	180°	E
21200-VB002	TB45	180°	D
21200-VJ200	H20 II	170°	C
212T1-08481	4Y	170°	A
T-8ABC-15-171	F2SM	180°	E
T-8AZ4-15-171	F2SA	180°	E
T-HE41-15171	F2	180°	E

TOYOTA

Part#	Engine	Temp.	Type
16302-U2120-71	GM 4181	180°	E
80916-76032-71	3P	180°	E
80916-76033-71	4P & 5P	180°	E
80916-76065-71	3P	180°	E
80916-76085-71	1Z, 2J, 1DZ, 5K	180°	E
90916-03037	4P & 5K	180°	E
90916-03950-71	4Y	170°	A
90916-03954-71	GM 4.3L & 1Z,13Z,1DZ,2J	180°	E

YALE

Part#	Engine	Temp.	Type
5242535-76	FE & F2	180°	E
5800001-79	FE & GM 3.0L	180°	E
5800003-81	GM 4.3L	180°	E
5800043-63	Perkins 1000-4	180°	G
5800241-68	FE & F2	180°	E
5800569-45	GM 2.4L	192°	H
9000062-69	GM 4.3L	180°	F
9012828-47	VA, F2, FE & D5	180°	E
9041401-00	UA	160°	E



24 Volt

MOTOR-1014


36 Volt

MOTOR-1020


24 Volt

MOTOR-1026


36/48 Volt

MOTOR-1038


72/80 Volt

MOTOR-1044


24 Volt

MOTOR-1050


36/48 Volt

MOTOR-1056


36/48 Volt

MOTOR-1062


36 Volt

MOTOR-1068


36/48 Volt

MOTOR-1074


36/48 Volt

MOTOR-1080


36 Volt

MOTOR-1086


36/48 Volt

MOTOR-1092

CROWN

OEM#	HELMAR
0278403	MOTOR-1074
0325680	MOTOR-1080
083269	MOTOR-1014
083294	MOTOR-1020
084541	MOTOR-1020
084543	MOTOR-1020
085477	MOTOR-1014
087128	MOTOR-1056
087289	MOTOR-1026
087401	MOTOR-1056

CROWN

OEM#	HELMAR
089330	MOTOR-1056
107434	MOTOR-1056
109816	MOTOR-1038
113064	MOTOR-1038
113205	MOTOR-1044
113501	MOTOR-1038
115105	MOTOR-1062
115826	MOTOR-1050
116411	MOTOR-1062
125832	MOTOR-1044

CROWN

OEM#	HELMAR
83269	MOTOR-1014
83294	MOTOR-1020
84541	MOTOR-1020
84543	MOTOR-1020
85477	MOTOR-1014
87128	MOTOR-1056
87289	MOTOR-1026

HYSTER

OEM#	HELMAR
1330880	MOTOR-1080
2034301	MOTOR-1080
2054861	MOTOR-1080
2305653	MOTOR-1068
2771952	MOTOR-1092
2781993	MOTOR-1092
278403	MOTOR-1074
2788927	MOTOR-1086
325680	MOTOR-1080

YALE

OEM#	HELMAR
5042262-20	MOTOR-1080
5042262-61	MOTOR-1080
5045752-33	MOTOR-1068
5059745-27	MOTOR-1080
5188036-84	MOTOR-1080
5800001-26	MOTOR-1080
5800008-79	MOTOR-1080
5800356-26	MOTOR-1080

HYDRAULIC PUMPS

96



Type
HP-110



Type
HP-112



Type
HP-114



Type
HP-116



Type
HP-118



Type
HP-120



Type
HP-122



Type
HP-124



Type
HP-126



Type
HP-128



Type
HP-130



Type
HP-132



Type
HP-134



Type
HP-136



Type
HP-138



Type
HP-140



Type
HP-142



Type
HP-144



Type
HP-146



Type
HP-148



Type
HP-150



Type
HP-152



Type
HP-154



Type
HP-156



Type
HP-158



Type
HP-160



Type
HP-162



Type
HP-164



Type
HP-166



Type
HP-168



Type
HP-170



Type
HP-172



Type
HP-174



Type
HP-176



Type
HP-178



Type
HP-180



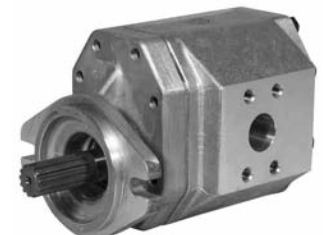
Type
HP-182



Type
HP-184



Type
HP-186



Type
HP-188

HYDRAULIC PUMPS

98



Type
HP-190



Type
HP-192



Type
HP-194



Type
HP-196



Type
HP-198



Type
HP-200



Type
HP-202



Type
HP-204



Type
HP-206



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HP-208



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HP-210



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HP-212



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HP-214



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HP-216



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HP-222



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HP-224



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HP-226



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HP-228



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HP-232



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HP-234



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HP-236



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HP-240



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HP-244



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HP-248



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HP-250



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HP-252



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HP-254



Type
HP-256



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HP-258



Type
HP-260



Type
HP-262



Type
HP-264



Type
HP-266



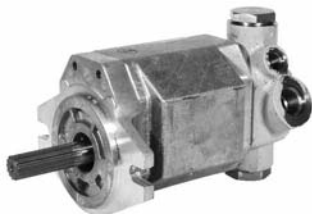
Type
HP-268

HYDRAULIC PUMPS

100



Type
HP-270



Type
HP-272



Type
HP-274



Type
HP-276



Type
HP-278



Type
HP-280



Type
HP-282



Type
HP-284



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HP-286



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HP-288



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HP-290



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HP-292



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HP-294



Type
HP-296



Type
HP-298



Type
HP-300



Type
HP-302



Type
HP-304



Type
HP-306



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HP-308



Type
HP-310



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HP-312



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HP-314



Type
HP-316



Type
HP-318



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HP-320



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HP-322



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HP-324



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HP-326



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HP-330



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HP-332



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HP-334



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HP-336



Type
HP-338



Type
HP-340



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HP-342



Type
HP-344



Type
HP-346



Type
HP-348

HYDRAULIC PUMPS

102



Type
HP-350



Type
HP-352



Type
HP-354



Type
HP-356



Type
OP-110



Type
OP-112



Type
OP-114



Type
OP-116



Type
OP-118



Type
OP-120



Type
OP-122



Type
OP-124



Type
OP-126



Type
OP-128



Type
OP-130



Type
OP-132



Type
OP-134



Type
TP-110



Type
TP-112



Type
TP-114



Type
TP-116



Type
TP-118



Type
TP-120



Type
TP-122



Type
TP-124



Type
TP-126



Type
TP-128



Type
TP-130



Type
TP-132



Type
TP-134



Type
UJ-001

BARRETT

Part#	Type
28842-847	HP-210

CLARK

Part#	Type
2390947	HP-176
2793307	HP-304
934821	HP-210

CROWN

Part#	Type
114257	HP-308
114875	HP-308
119697	HP-348
126316	HP-314
126543	HP-340
131303	HP-356
138822	HP-342
138823	HP-312
138825	HP-264
140540	HP-308
140543	HP-310
140544	HP-334

CROWN

Part#	Type
140549	HP-334

DOOSAN

Part#	Type
924595	HP-222
A213063	TP-130
A215001	HP-110
A315000	HP-110

HYSTER

Part#	Type
1343827	HP-132
1343967	HP-194
1367711	HP-324
1455066	HP-130
1455761	HP-132
1458797	HP-316
1458798	HP-316
1458799	HP-316
1458800	HP-318
1459691	HP-318
1459696	HP-318

HYSTER

Part#	Type
1459698	HP-318
1459699	HP-318
1486205	HP-166
1639766	HP-228
1639768	HP-320
180549	HP-246
2026483	HP-252
2026484	HP-252
2026485	HP-252
2028025	OP-134
2028532	CALL
2036668	HP-160
2036997	HP-224
2037195	HP-162
2038202	HP-164
2039870	HP-252
2067800	HP-170
2067801	HP-170
2069689	HP-168
2069690	HP-168
2069691	HP-168
2069692	HP-168

HYSTER

Part#	Type
2069693	HP-168
2069696	HP-168
2074230	HP-170
2302338	HP-140
284900	HP-142
284901	HP-142
284906	HP-142
342773	HP-336
344397	HP-142
357288	OP-122
370590	CALL
69101-L4000	CALL
69101-L6800	CALL
981571	CALL

KALMAR AC

Part#	Type
4941143	HP-124
4943595	HP-124
4944451	TP-128
4944765	HP-148
4944767	Call
4967326	HP-152
8760689	HP-152
8766178	HP-150

KOMATSU

Part#	Type
316-60-24101	Call
34B-60-81110	HP-124
34C-60-15200	HP-146
37B-1KB-2020	HP-128
37B-1KB-2021	HP-128
37B-1KB-2030	HP-234
37B-1KB-2031	HP-234
37B-1KE-2021	HP-124
37B-1KE-2031	HP-124
37B-1KE-2050	HP-124
37B-1KE-2051	HP-124
37R-1KF-6050	HP-144
3EA-34-A5111	OP-110
3EA-60-A2211	HP-124
3EA-60-A5110	HP-124
3EA-60-A6110	HP-124
3EB-13-12040	TP-126
3EB-13-22040	TP-126
3EB-13-22043	TP-110
3EB-34-A5410	OP-112
3EB-60-12310	HP-124
3EB-60-16110	Call
3EB-60-A5110	HP-124
3EB-60-A5220	HP-124
3EB-60-A5460	HP-128
3EB-60-A6220	HP-124
3EC-13-11040	TP-128
3EC-60-12110	HP-148
3EC-60-15210	Call
3EC-60-15310	HP-148
3EC-60-39920	HP-150

KOMATSU

Part#	Type
3EC-60-A2110	HP-152
3EC-60-A2160	HP-152
3EC-60-A5110	HP-154
3EC-60-A5190	HP-156
3ED-60-41100	Call

MITSI/CAT

Part#	Type
1104064	HP-354
3C3355	HP-308
60725-00010	HP-232
8Q5424	Call
901384	HP-322
91224-00061	TP-132
91271-20100	HP-258
91271-36100	HP-258
91271-36200	HP-258
91271-36301	HP-258
91371-00300	HP-262
91371-01400	HP-262
91371-10300	HP-262
91371-10700	HP-262
91471-20102	HP-258
91471-20201	HP-258
91471-36100	HP-258
91471-36110	HP-258
91571-02900	HP-262
91571-10100	HP-262
91571-30050	UJ-001
91671-16100	HP-258
91671-20101	HP-258
917337	HP-330
91771-10600	HP-266
91871-03100	HP-268
91871-03400	HP-274
91871-03600	HP-274
91871-14100	HP-270
91871-14200	HP-270
91871-14700	HP-270
91871-20100	HP-272
91871-32100	HP-274
918741	HP-308
91B71-00200	HP-280
91B71-00500	HP-280
91E71-00100	HP-282
91E71-10200	HP-282
92071-10200	HP-284
92071-15100	HP-286
924793	HP-332
93171-00300	HP-258
97071-01500	HP-288
97154-04500	OP-116
97171-00100	HP-292
97171-03100	HP-290
97254-00700	OP-118
97271-00100	HP-292
97271-00700	HP-294
97271-00800	HP-296
97E71-00040	HP-298

NISSAN

Part#	Type
31340-25H00	TP-110
31340-40K00	TP-112
31340-51H00	TP-114
31340-L1000	TP-134
49410-00H01	OP-120
49410-11H01	OP-120
49410-6G401	OP-132
49410-6G600	OP-124
58301-48570	HP-112
58301-L0100	HP-112
69101-04H00	HP-212
69101-04H01	HP-212
69101-11H01	HP-212
69101-11H02	HP-212
69101-14H00	HP-212
69101-14H01	HP-212
69101-1K200	HP-124
69101-20H00	HP-212
69101-26H02	HP-212
69101-26H03	HP-212
69101-26H04	HP-212
69101-31K05	HP-214
69101-31K65	HP-338
69101-32H00	HP-124
69101-41H00	HP-124
69101-51H02	HP-216
69101-51K01	HP-218
69101-51K02	HP-218
69101-51K06	HP-220
69101-51K07	HP-220
69101-65253	HP-190
69101-90H00	HP-212
69101-91H00	HP-212
69101-93H00	HP-212
69101-FK120	HP-280
69101-FK160	HP-280
69101-FK170	HP-280
69101-FK281	HP-282
69101-L1100	HP-212
69101-L1102	HP-212
69101-L1401	HP-212
69101-L1402	HP-212
69101-L1407	HP-212
69101-L4500	HP-124
69101-L5001	HP-124
69101-L6000	HP-232
69101-L6100	HP-232
69101-L9003	Call
69501-L4001	Call
69501-L9003	HP-230

RAYMOND

Part#	Type
313107-000	HP-210
500-351	HP-352
500-459-100	HP-350

TCM

Part#	Type
10917-10001	HP-112
110F7-10232	HP-114
110F7-10501	HP-124
114A7-10231	HP-126
114A7-10271	HP-126
114A7-11301	HP-120
12437-10201	HP-232
12577-10201	HP-112
126A7-10271	HP-122
129F7-10301	HP-126
12E57-10101	HP-116
13037-10201	HP-124
13037-10201A	HP-124
13077-10201	HP-124
130C7-10361	HP-134
133A7-10201	HP-126
134A7-10301	HP-116
134G3-80401	Call
13657-10201	HP-128
14237-10201	HP-124
14437-10201	HP-124
15307-10201	HP-112
15604-10201	OP-134
15787-10401	HP-326
15787-10501	HP-134
15847-10201	HP-124
16442-52021	HP-234
17047-10401	HP-136
17237-12002	HP-138
20807-10011	Call
272E7-10202	HP-328
54452-10401A	HP-234
78142-33215	HP-234
HC110F7-10271A	HP-116

TOYOTA

Part#	Type
00590-03057-71	HP-260
00590-39879-71	HP-344
00590-47802-71	Call
04967-30080-71	HP-188
32560-23330-71	TP-116
32560-U2260-71	TP-116
32601-22012-71	TP-118
32601-23630-71	TP-120
32601-23631-71	TP-122
32630-23330-71	TP-124
45510-U1160-71	OP-128
45510-U1200-71	OP-126
45510-U2100-71	OP-114
45510-U2160-71	OP-114
45510-U2170-71	OP-114
45510-U2200-71	OP-114
45510-U3160-71	OP-114
45510-U3270-71	OP-130
45510-U3470-71	OP-114
67100-30870-71	HP-232
67110-02830-71	HP-124
67110-10920-71	HP-172

TOYOTA

Part#	Type
67110-11340-71	Call
67110-12191-71	HP-174
67110-13080-71	HP-190
67110-13200-71	HP-124
67110-13350-71	HP-208
67110-21421-71	HP-178
67110-22001-71	HP-190
67110-22020-71	HP-190
67110-22071-71	HP-190
67110-23022-71	HP-180
67110-23200-71	HP-182
67110-23340-71	HP-208
67110-23620-71	HP-190
67110-23640-71	HP-190
67110-23871-71	HP-190
67110-30510-71	HP-184
67110-31000-71	HP-184
67110-31040-71	HP-186
67110-31962-71	HP-300
67110-31970-71	HP-188
67110-31972-71	HP-188
67110-32041-71	HP-190
67110-32071-71	HP-190
67110-32871-71	HP-206
67110-32881-71	HP-192
67110-33041-71	HP-190
67110-33330-71	HP-208
67110-33620-71	HP-190
67110-41800-71	HP-124
67110-U1091-71	HP-158
67110-U1100-71	HP-196
67110-U1101-71	HP-196
67110-U1130-71	HP-196
67110-U1160-71	HP-198
67110-U2091-71	HP-200
67110-U2100-71	HP-196
67110-U2101-71	HP-196
67110-U2110-71	HP-196
67110-U2111-71	HP-196
67110-U2121-71	HP-202
67110-U2160-71	HP-198
67110-UMDD9-71	HP-226
67120-12191-71	HP-174
67120-31720-71	HP-192
67120-32851-71	HP-206
67120-32881-71	HP-192
67120-U1091-71	HP-158
67120-U1100-71	HP-196
67120-U1280-71	HP-302
67120-U2110-71	HP-196
67120-U2230-71	HP-302
67120-U3500-71	HP-302
67130-13330-71	HP-208
67130-U1170-71	HP-208
67130-U2170-71	HP-208
67130-U2180-71	HP-208
67130-U3270-71	HP-208
67150-41100-71	HP-124
78100-29277-71	HP-112

TOYOTA

Part#	Type
78100-30201-71	HP-232
78100-30241-71	HP-232
78130-10180-71	HP-112

YALE

Part#	Type
2963213-41	Call
5059745-64	HP-132
5195266-00	HP-140
5800038-63	HP-130
5800068-31	HP-132
5800071-85	OP-122
5800076-51	HP-142
5800093-55	HP-160
5800106-46	HP-224
5800111-93	HP-162
5800134-60	HP-164
5800196-67	HP-166
5800489-90	HP-170
5800511-92	HP-168
5800511-93	HP-168
5800511-94	HP-168
5800511-95	HP-168
5800511-96	HP-168
5800511-99	HP-168
5800564-81	HP-170
5800834-60	HP-170
9022343-00	HP-236
9022924-00	HP-306
9046616-00	HP-238
9052606-00	Call
9052606-02	Call
9052606-05	Call
9053526-03	HP-240
9053526-05	HP-242
9053526-07	HP-244
9056046-02	OP-134
9064876-40	HP-248
9064876-50	HP-248
9067534-02	HP-346
9067534-03	HP-346
9099146-30	HP-250
9119606-10	HP-252
9122506-10	HP-256
9122506-20	HP-256
9148936-10	HP-306
9149436-10	HP-252
9149436-20	HP-252
9149436-30	HP-252
9158126-30	Call
9192814-05	HP-276
9192814-07	HP-278

HYDRAULIC CYLINDERS

106

CROWN



112987

DOOSAN



D511812

HYSTER



1350354

HYSTER



1360126

HYSTER



2035137

HYSTER



2069186

HYSTER



2071096

HYSTER



2079365

HYSTER



329222

HYSTER



352198

HYSTER



376770

KOMATSU / KALMAR



3EB-64-11500 / 4941199

MITSI / CAT



91255-51100

MITSI / CAT



91854-65300

MITSI / CAT



91E43-05700

MITSI / CAT



91E43-06200

MITSI / CAT

93044-00050
MITSI / CAT

93044-00080
NISSAN

49509-00H11
NISSAN

49509-11H11
NISSAN

49509-15H11
NISSAN

49509-22H11
NISSAN

49509-51K10
NISSAN

49509-52K00
NISSAN

49509-FK000
NISSAN

49509-FK200
NISSAN

49510-L1100
NISSAN

49510-L5000
NISSAN

49510-L6002
NISSAN










49510-L6004
TCM

23654-50202B
TCM

25594-50102

HYDRAULIC CYLINDERS

108

<p>TOYOTA</p> 	<p>TOYOTA</p> 	<p>TOYOTA</p> 	<p>TOYOTA</p> 	
<p>43310-13310-71</p>	<p>43310-16602-71</p>	<p>43310-22751-71</p>	<p>43310-23420-71</p>	
<p>TOYOTA</p> 	<p>TOYOTA</p> 	<p>TOYOTA</p> 	<p>TOYOTA</p> 	
<p>43310-26602-71</p>	<p>43310-36643-71</p>	<p>43310-U1101-71</p>	<p>45610-13000-71</p>	
<p>TOYOTA</p> 	<p>TOYOTA</p> 	<p>TOYOTA</p> 	<p>TOYOTA</p> 	
<p>45610-13600-71</p>	<p>45610-20540-71</p>	<p>45610-21800-71</p>	<p>45610-23000-71</p>	
<p>TOYOTA</p> 	<p>TOYOTA</p> 	<p>TOYOTA</p> 	<p>TOYOTA</p> 	<p>TOYOTA</p> 
<p>45610-23600-71</p>	<p>45610-31961-71</p>	<p>45610-32880-71</p>	<p>45610-33660-71</p>	<p>45610-33861-71</p>

TOYOTA



65510-U2100-71

TOYOTA



65520-U2100-71

YALE



5042252-67

YALE



5042382-10

YALE



5196686-01

YALE



5800018-69

YALE



5800029-93

YALE



5800506-16

YALE



5800525-14

YALE



5800646-60

CROWN

Part#	Description
112987	Reach Cylinder

DOOSAN

Part#	Description
D511812	P/S Cylinder

HYSTER

Part#	Description
1350354	Tilt Cylinder
1360126	Side/Shifter Cylinder
2035137	P/S Cylinder
2069186	Tilt Cylinder
2071096	P/S Cylinder
2079365	P/S Cylinder
329222	P/S Cylinder
352198	P/S Cylinder
376770	Side/Shifter Cylinder

KALMAR AC

Part#	Description
4941199	P/S Cylinder

KOMATSU

Part#	Description
3EB-64-11500	P/S Cylinder

MITSI / CAT

Part#	Description
91255-51100	P/S Cylinder
91854-65300	P/S Cylinder
91E43-05700	P/S Cylinder
91E43-06200	P/S Cylinder
93044-00050	P/S Cylinder
93044-00080	P/S Cylinder

NISSAN

Part#	Description
49509-00H11	P/S Cylinder
49509-11H11	P/S Cylinder
49509-15H11	P/S Cylinder
49509-22H11	P/S Cylinder
49509-51K10	P/S Cylinder
49509-FK000	P/S Cylinder
49509-FK200	P/S Cylinder
49510-L1100	P/S Cylinder
49510-L5000	P/S Cylinder

NISSAN

Part#	Description
49510-L6002	P/S Cylinder
49510-L6004	P/S Cylinder

TCM

Part#	Description
23654-50202B	P/S Cylinder
25594-50102	P/S Cylinder

TOYOTA

Part#	Description
43310-13310-71	P/S Cylinder
43310-16602-71	P/S Cylinder
43310-22751-71	P/S Cylinder
43310-23420-71	P/S Cylinder
43310-26602-71	P/S Cylinder
43310-36643-71	P/S Cylinder
43310-U1101-71	P/S Cylinder
45610-13000-71	P/S Cylinder
45610-13600-71	P/S Cylinder
45610-20540-71	P/S Cylinder
45610-21800-71	P/S Cylinder
45610-23000-71	P/S Cylinder

TOYOTA

Part#	Description
45610-23600-71	P/S Cylinder
45610-31961-71	P/S Cylinder
45610-32880-71	P/S Cylinder
45610-33660-71	P/S Cylinder
45610-33861-71	P/S Cylinder
65510-U2100-71	Tilt Cylinder (R/H)
65520-U2100-71	Tilt Cylinder (L/H)

YALE

Part#	Description
5042252-67	P/S Cylinder
5042382-10	Tilt Cylinder
5196686-01	Side/Shifter Cylinder
5800018-69	P/S Cylinder
5800029-93	Side/Shifter Cylinder
5800506-16	Tilt Cylinder
5800525-14	P/S Cylinder
5800646-60	P/S Cylinder

CASCADE

Part#	Description
552834	Tilt Cylinder O/H Kit
560349	Lift Cylinder O/H Kit
561307	Lift Cylinder O/H Kit
562591	Lift Cylinder O/H Kit

CLARK

Part#	Description
1795529	Tilt Cylinder O/H Kit
1810820	Hydraulic Control Kit
1811107	Packing Kit
1811108	Lift Cylinder O/H Kit
1811120	Lift Cylinder O/H Kit
1811124	Lift Cylinder O/H Kit
1811125	Packing Kit
1811130	Lift Cylinder O/H Kit
1811131	Packing Kit
1811132	Lift Cylinder O/H Kit
1811133	Tilt Cylinder O/H Kit
1811148	Lift Cylinder O/H Kit
1811149	Lift Cylinder O/H Kit
1811154	Lift Cylinder O/H Kit
1811155	Lift Cylinder O/H Kit
1811157	Repair Kit
1811159	Packing Kit
1811160	Lift Cylinder O/H Kit
1811161	Lift Cylinder O/H Kit
1811163	Packing Kit
1811164	Lift Cylinder O/H Kit
1811179	Tilt Cylinder O/H Kit
1811180	Tilt Cylinder O/H Kit
1811184	Tilt Cylinder O/H Kit
1811204	Tilt Cylinder O/H Kit
1811206	Steering Gear O/H Kit
1811209	Packing Kit
1811212	Packing Kit
1811217	Tilt Cylinder O/H Kit
1811218	Tilt Cylinder O/H Kit
1811231	Tilt Cylinder O/H Kit
1811244	Side Cylinder Kit
1811309	Cylinder Packing Kit
1811314	Lift Cylinder O/H Kit
1811315	Lift Cylinder O/H Kit
1811369	Lift Cylinder O/H Kit
1811376	Brush Holder
1811392	Seal Kit
1811415	Lift Cylinder O/H Kit
1811537	Repair Kit
1811538	Lift Cylinder O/H Kit
1811542	Seal Kit
1811544	Steering Gear O/H Kit
1811569	Power Steering O/H Kit
1811582	Tilt Cylinder O/H Kit
1811691	Lift Cylinder O/H Kit
1811697	Tilt Cylinder O/H Kit
1811719	Tilt Cylinder O/H Kit
1811759	Tilt Cylinder O/H Kit

CLARK

Part#	Description
1811820	Power Steering O/H Kit
1811852	Packing Kit
1811855	Packing Kit
1811972	Tilt Cylinder O/H Kit
1813014	Lift Cylinder O/H Kit
1813016	Packing Kit
1813017	Packing Kit
1813023	Hydraulic Valve
1813029	Tilt Cylinder O/H Kit
1813032	Power Steering O/H Kit
1813055	Power Steering O/H Kit
1813075	Tilt Cylinder O/H Kit
1813084	Lift Cylinder O/H Kit
1818864	Power Steering O/H Kit
1821328	Power Steering O/H Kit
1830350	Packing Kit
1830352	Lift Cylinder O/H Kit
1830358	Lift Cylinder O/H Kit
1830360	Packing Kit
1831042	Lift Cylinder O/H Kit
1831074	Packing Kit
1831075	Lift Cylinder O/H Kit
1831076	Tilt Cylinder O/H Kit
841270	Seal Kit
905074	Steering Gear O/H Kit
914698	Lift Cylinder O/H Kit
918886	Power Steering O/H Kit
990076	Valve Seal Kit
990208	Repair Kit
990209	Side Shift Cylinder Kit
994287	Hose Reel Seal Kit
995815	Hose Reel Seal Kit
999820	Packing Kit

DOOSAN

Part#	Description
D512805	Tilt Cylinder O/H Kit

HYSTER

Part#	Description
1302759	Power Steering O/H Kit
1302768	Lift Cylinder O/H Kit
1310390	Power Steering O/H Kit
1322296	Lift Cylinder O/H Kit
1329757	Tilt Cylinder O/H Kit
1332565	Lift Cylinder O/H Kit
1332566	Lift Cylinder O/H Kit
1355276	Lift Cylinder O/H Kit
1355277	Lift Cylinder O/H Kit
1355286	Lift Cylinder O/H Kit
1355411	Lift Cylinder O/H Kit
1355497	Lift Cylinder O/H Kit
1355714	Lift Cylinder O/H Kit
1355882	Lift Cylinder O/H Kit
1356662	Lift Cylinder O/H Kit
1358963	Lift Cylinder O/H Kit

HYSTER

Part#	Description
1358969	Lift Cylinder O/H Kit
1360138	Lift Cylinder O/H Kit
1360139	Lift Cylinder O/H Kit
1360140	Lift Cylinder O/H Kit
1360141	Lift Cylinder O/H Kit
1360142	Lift Cylinder O/H Kit
1367185	Steering Gear O/H Kit
1492644	Tilt Cylinder O/H Kit
1493305	Tilt Cylinder O/H Kit
1501412	Power Steering O/H Kit
2026822	Power Steering O/H Kit
2034531	Steering Gear O/H Kit
2039203	Power Cylinder O/H Kit
2302265	Packing Cylinder Kit
2302714	Tilt Cylinder O/H Kit
2304259	Lift Cylinder O/H Kit
2307071	Lift Cylinder O/H Kit
2307196	Lift Cylinder O/H Kit
2307647	Side Shifter O/H Kit
2307874	Lift Cylinder O/H Kit
2311624	Packing Cylinder Kit
250050	Tilt Cylinder O/H Kit
314993	Steering Gear O/H Kit
322575	Lift Cylinder O/H Kit
328070	Lift Cylinder O/H Kit
328074	Tilt Cylinder O/H Kit
328180	Lift Cylinder O/H Kit
337029	Lift Cylinder O/H Kit
337268	Lift Cylinder O/H Kit
337269	Lift Cylinder O/H Kit
340078	Lift Cylinder O/H Kit
340079	Lift Cylinder O/H Kit
347486	Tilt Cylinder O/H Kit
355695	Tilt Cylinder O/H Kit
360299	Power Steering O/H Kit

KALMAR AC

Part#	Description
4940258	O-Ring
4940660	Seal
4941330	Wiper
4941337	O-Ring
4941474	Packing
4942565	Tilt Cylinder O/H Kit
4942566	Lift Cylinder O/H Kit
4942574	Power Steering O/H Kit
4942579	Tilt Cylinder O/H Kit
4942580	Tilt Cylinder O/H Kit
4942581	Power Steering O/H Kit
4942582	Tilt Cylinder O/H Kit
4942620	Tilt Cylinder O/H Kit
4942700	Wear Ring
4942752	Piston
4942762	O-Ring
4942765	U-Seal
4942766	O-Ring

KALMAR AC

Part#	Description
4942783	O-Ring
4942794	Wiper, Seal
4942795	U-Seal
4943094	Wiper
4943125	O-Ring
4943317	Wear Ring
4943345	Ring, Back-Up
4943346	Wiper, Seal
4943375	O-Ring
4943380	O-Ring
4943386	U Seal
4948510	Tilt Cylinder O/H Kit
4948516	Tilt Cylinder O/H Kit
4949737	Power Steering O/H Kit
4949828	Tilt Cylinder O/H Kit
4967588	Power Steering O/H Kit

KOMATSU

Part#	Description
07000-13030	O-Ring
07155-00820	Wear-Ring
07155-00925	Wear Ring
304-61-11190	O-Ring
308-61-22175	U-Seal
315-963-8750	O-Ring
34A-63-17160	O-Ring
34A-64-05010	Tilt Cylinder O/H Kit
34B-63-05011	Lift Cylinder O/H Kit
34B-63-05021	Lift Cylinder O/H Kit
34B-63-15170	O-Ring
34B-63-21150	O-Ring
34B-63-26150	Wiper, Seal
34B-64-05010	Tilt Cylinder O/H Kit
34B-64-11150	Packing, U Seal
34B-64-12151	U-Seal
34C-63-14950	U-Seal
3EA-63-11180	Seal
3EA-64-05020	Tilt Cylinder O/H Kit
3EA-64-05030	Lift Cylinder O/H Kit
3EA-64-05040	Tilt Cylinder O/H Kit
3EA-64-05190	Tilt Cylinder O/H Kit
3EA-T1-16120	Back-Up Ring
3EA-T1-16130	Wiper, Seal
3EB-34-05010	Power Steering O/H Kit
3EB-63-05010	Tilt Cylinder O/H Kit
3EB-63-05020	Lift Cylinder O/H Kit
3EB-63-16140	Piston
3EB-63-16160	O-Ring
3EB-64-05010	Power Steering O/H Kit
3EB-64-05020	Power Steering O/H Kit
3EB-64-05050	Tilt Cylinder O/H Kit
3EB-64-05060	Tilt Cylinder O/H Kit
3EB-64-05190	Tilt Cylinder O/H Kit
3EB-64-A2000	Power Steering O/H Kit
3EB-64-A5191	Tilt Cylinder O/H Kit
3EC-64-05011	Tilt Cylinder O/H Kit

KOMATSU

Part#	Description
3EC-64-05190	Tilt Cylinder O/H Kit
3ED-63-11130	Wiper
3RB-64-19140	O-Ring
46A-74-13740	Wiper, U-Ring
ON43001-06565	Power Steering O/H Kit
ON43001-07567	Power Steering O/H Kit
SH788-300-200	Power Steering O/H Kit

MITSUBISHI / CAT

Part#	Description
911725	Seal Kit
91254-10330	Power Steering O/H Kit
91254-30330	Power Steering O/H Kit
91255-11120	Power Steering O/H Kit
91444-00018	Lift Cylinder O/H Kit
91854-15310	Power Steering O/H Kit
91E43-05710	Power Steering O/H Kit
93044-00028	Power Steering O/H Kit
93051-00018	Lift Cylinder O/H Kit
93051-00028	Lift Cylinder O/H Kit
93051-10068	Lift Cylinder O/H Kit
93054-00018	Lift Cylinder O/H Kit
93054-00028	Lift Cylinder O/H Kit
93E43-00210	Power Steering O/H Kit
94004-00120	Tilt Cylinder O/H Kit
94004-00130	Tilt Cylinder O/H Kit
94104-00110	Tilt Cylinder O/H Kit
94104-00120	Tilt Cylinder O/H Kit
94104-00170	Tilt Cylinder O/H Kit
94104-02018	Tilt Cylinder O/H Kit
94114-00110	Lift Cylinder O/H Kit
94114-00210	Lift Cylinder O/H Kit
94119-00018	Lift Cylinder O/H Kit
94119-00048	Lift Cylinder O/H Kit
94119-00068	Lift Cylinder O/H Kit
94119-00088	Lift Cylinder O/H Kit
94133-00018	Lift Cylinder O/H Kit
94151-00018	Lift Cylinder O/H Kit
94151-00028	Lift Cylinder O/H Kit
94162-00018	Lift Cylinder O/H Kit
94204-00098	Tilt Cylinder O/H Kit
94204-10120	Tilt Cylinder O/H Kit
94219-00018	Lift Cylinder O/H Kit
94219-00028	Lift Cylinder O/H Kit
94251-00018	Lift Cylinder O/H Kit
94251-00038	Lift Cylinder O/H Kit
94251-00058	Lift Cylinder O/H Kit
94262-00028	Lift Cylinder O/H Kit
94304-00110	Tilt Cylinder O/H Kit
94304-00120	Tilt Cylinder O/H Kit
94304-10140	Tilt Cylinder O/H Kit
94314-00110	Lift Cylinder O/H Kit
94319-00018	Lift Cylinder O/H Kit
94319-00038	Lift Cylinder O/H Kit
94319-00068	Lift Cylinder O/H Kit
94319-00078	Lift Cylinder O/H Kit

MITSUBISHI / CAT

Part#	Description
94319-00088	Lift Cylinder O/H Kit
94351-00018	Lift Cylinder O/H Kit
94351-00028	Lift Cylinder O/H Kit
94351-00038	Lift Cylinder O/H Kit
94362-00018	Lift Cylinder O/H Kit
94404-10140	Tilt Cylinder O/H Kit
94462-20018	Lift Cylinder O/H Kit
94504-02090	Lift Cylinder O/H Kit
97154-00038	Steering Gear O/H Kit

NISSAN

Part#	Description
49440-00H00	Steering Gear O/H Kit
49599-11H00	Power Steering O/H Kit
49599-2G000	Power Steering O/H Kit
49599-51K00	Power Steering O/H Kit
58099-00H00	Lift Cylinder O/H Kit
58099-00H60	Lift Cylinder O/H Kit
58099-0G211	Lift Cylinder O/H Kit
58099-0G511	Lift Cylinder O/H Kit
58099-10H00	Lift Cylinder O/H Kit
58099-10H60	Lift Cylinder O/H Kit
58099-20H12	Lift Cylinder O/H Kit
58099-23H00	Lift Cylinder O/H Kit
58099-23H60	Lift Cylinder O/H Kit
58099-31K11	Lift Cylinder O/H Kit
58099-L2600	Lift Cylinder O/H Kit
58099-L4900	Lift Cylinder O/H Kit
58099-L6001	Lift Cylinder O/H Kit
58199-L1100	Lift Cylinder O/H Kit
58199-L1300	Lift Cylinder O/H Kit
58199-L1400	Lift Cylinder O/H Kit
58199-L1700	Lift Cylinder O/H Kit
58199-L6000	Lift Cylinder O/H Kit
58199-L6100	Lift Cylinder O/H Kit
58299-01H00	Lift Cylinder O/H Kit
58299-11H00	Lift Cylinder O/H Kit
58299-24H00	Lift Cylinder O/H Kit
58299-L1100	Lift Cylinder O/H Kit
58399-L1100	Lift Cylinder O/H Kit
58499-02H10	Lift Cylinder O/H Kit
58499-12H11	Lift Cylinder O/H Kit
58499-22H10	Lift Cylinder O/H Kit
58499-25H10	Lift Cylinder O/H Kit
58499-31K00	Lift Cylinder O/H Kit
58499-6G500	Lift Cylinder O/H Kit
58499-L1100	Lift Cylinder O/H Kit
58499-L1101	Lift Cylinder O/H Kit
58499-L1102	Lift Cylinder O/H Kit
58499-L1400	Lift Cylinder O/H Kit
58499-L1401	Lift Cylinder O/H Kit
58499-L1402	Lift Cylinder O/H Kit
58499-L6000	Lift Cylinder O/H Kit
58499-L6001	Lift Cylinder O/H Kit
58699-00H00	Tilt Cylinder O/H Kit
58699-05H00	Tilt Cylinder O/H Kit

NISSAN

Part#	Description
58699-10H00	Tilt Cylinder O/H Kit
58699-14H00	Tilt Cylinder O/H Kit
58699-20H00	Tilt Cylinder O/H Kit
58699-21H00	Tilt Cylinder O/H Kit
58699-51K00	Tilt Cylinder O/H Kit
58699-FK010	Tilt Cylinder O/H Kit
58699-L1125	Tilt Cylinder O/H Kit
58699-L1126	Tilt Cylinder O/H Kit
58699-L1425	Tilt Cylinder O/H Kit
58699-L1426	Tilt Cylinder O/H Kit
58699-L6000	Tilt Cylinder O/H Kit
58699-L6011	Tilt Cylinder O/H Kit
58699-L6800	Tilt Cylinder O/H Kit
58699-L6811	Tilt Cylinder O/H Kit
58699-L8100	Tilt Cylinder O/H Kit
58699-L9000	Tilt Cylinder O/H Kit
58699-L9010	Tilt Cylinder O/H Kit

TCM

Part#	Description
20804-59801	Power Steering O/H Kit
210F0-89805	Lift Cylinder O/H Kit
210F8-49805	Lift Cylinder O/H Kit
212T4-52321	Power Steering O/H Kit
214A0-59801	Lift Cylinder O/H Kit
214A0-59821	Lift Cylinder O/H Kit
214A0-89806	Lift Cylinder O/H Kit
214A4-59801	Power Steering O/H Kit
214A8-49805	Lift Cylinder O/H Kit
214A8-49812	Lift Cylinder O/H Kit
214A8-59804	Tilt Cylinder O/H Kit
214J0-59812	Lift Cylinder O/H Kit
214J8-49804	Lift Cylinder O/H Kit
22438-49812	Lift Cylinder O/H Kit
22578-49801	Lift Cylinder O/H Kit
22580-89801	Lift Cylinder O/H Kit
22678-59802	Tilt Cylinder O/H Kit
229G0-59801	Lift Cylinder O/H Kit
23460-89801	Lift Cylinder O/H Kit
234A8-49802	Lift Cylinder O/H Kit
234A8-59804	Tilt Cylinder O/H Kit
234A8-59805	Tilt Cylinder O/H Kit
234B0-59801	Lift Cylinder O/H Kit
234F0-59801	Lift Cylinder O/H Kit
234F8-49801	Lift Cylinder O/H Kit
23650-59801	Lift Cylinder O/H Kit
23650-89807	Lift Cylinder O/H Kit
23650-89822	Lift Cylinder O/H Kit
23658-59813	Tilt Cylinder O/H Kit
23678-59803	Tilt Cylinder O/H Kit
24239-49801	Lift Cylinder O/H Kit
24240-89801	Lift Cylinder O/H Kit
24248-59804	Tilt Cylinder O/H Kit
24458-59812	Tilt Cylinder O/H Kit
24469-49803	Lift Cylinder O/H Kit
24600-89902	Lift Cylinder O/H Kit

TCM

Part#	Description
25594-59802	Power Steering O/H Kit
25954-59802	Power Steering O/H Kit
27248-49801	Lift Cylinder O/H Kit
27390-59801	Lift Cylinder O/H Kit
27390-59902	Lift Cylinder O/H Kit
27410-59901	Lift Cylinder O/H Kit
27830-89802	Lift Cylinder O/H Kit
510F0-59802	Lift Cylinder O/H Kit
510F2-40602	Power Steering O/H Kit
514A2-40552	Power Steering O/H Kit
514A2-49803	Power Steering O/H Kit
B-3045A-00001	Lift Cylinder O/H Kit
B-3045A-00008	Tilt Cylinder O/H Kit
B-3045A-00020	Lift Cylinder O/H Kit
B-3050A-00025	Lift Cylinder O/H Kit
B-3050A-00093	Lift Cylinder O/H Kit
B-3055A-00058	Lift Cylinder O/H Kit
B-3065A-00030	Tilt Cylinder O/H Kit
B-3070A-00103	Tilt Cylinder O/H Kit
B-B670A-00009	Lift Cylinder O/H Kit
B-B675A-00006	Lift Cylinder O/H Kit
B-B685A-00007	Lift Cylinder O/H Kit

TOYOTA

Part#	Description
04431-30091-71	Power Steering O/H Kit
04433-10010-71	Power Steering O/H Kit
04433-10020-71	Power Steering O/H Kit
04433-20011-71	Power Steering O/H Kit
04433-20020-71	Power Steering O/H Kit
04433-20030-71	Power Steering O/H Kit
04433-20031-71	Power Steering O/H Kit
04433-30050-71	Power Steering O/H Kit
04433-20080-71	Power Steering O/H Kit
04433-U1010-71	Power Steering O/H Kit
04433-U2040-71	Power Steering O/H Kit
04433-U2050-71	Power Steering O/H Kit
04433-U3010-71	Power Steering O/H Kit
04451-10070-71	Power Steering O/H Kit
04451-10090-71	Power Steering O/H Kit
04451-10120-71	Power Steering O/H Kit
04451-20100-71	Power Steering O/H Kit
04451-20101-71	Power Steering O/H Kit
04451-20170-71	Power Steering O/H Kit
04451-20171-71	Power Steering O/H Kit
04456-10020-71	Power Steering O/H Kit
04456-10031-71	Power Steering O/H Kit
04456-10050-71	Power Steering O/H Kit
04456-20010-71	Power Steering O/H Kit
04456-20020-71	Power Steering O/H Kit
04456-20030-71	Power Steering O/H Kit
04456-30010-71	Power Steering O/H Kit
04651-10060-71	Lift Cylinder O/H Kit
04651-10132-71	Tilt Cylinder O/H Kit
04651-10330-71	Tilt Cylinder O/H Kit
04651-10333-71	Tilt Cylinder O/H Kit

TOYOTA

Part#	Description
04651-10334-71	Tilt Cylinder O/H Kit
04651-10652-71	Lift Cylinder O/H Kit
04651-10662-71	Lift Cylinder O/H Kit
04651-10671-71	Lift Cylinder O/H Kit
04651-10870-71	Lift Cylinder O/H Kit
04651-10871-71	Lift Cylinder O/H Kit
04651-10882-71	Tilt Cylinder O/H Kit
04651-10892-71	Tilt Cylinder O/H Kit
04651-11032-71	Lift Cylinder O/H Kit
04651-11061-71	Lift Cylinder O/H Kit
04651-11250-71	Lift Cylinder O/H Kit
04651-11261-71	Lift Cylinder O/H Kit
04651-11270-71	Lift Cylinder O/H Kit
04651-11271-71	Lift Cylinder O/H Kit
04651-11290-71	Lift Cylinder O/H Kit
04651-11291-71	Lift Cylinder O/H Kit
04651-11300-71	Lift Cylinder O/H Kit
04651-11390-71	Lift Cylinder O/H Kit
04651-20132-71	Lift Cylinder O/H Kit
04651-20133-71	Lift Cylinder O/H Kit
04651-20141-71	Lift Cylinder O/H Kit
04651-20142-71	Lift Cylinder O/H Kit
04651-20151-71	Tilt Cylinder O/H Kit
04651-20182-71	Lift Cylinder O/H Kit
04651-20185-71	Lift Cylinder O/H Kit
04651-20186-71	Lift Cylinder O/H Kit
04651-20260-71	Lift Cylinder O/H Kit
04651-20262-71	Lift Cylinder O/H Kit
04651-20390-71	Lift Cylinder O/H Kit
04651-20400-71	Lift Cylinder O/H Kit
04651-20421-71	Lift Cylinder O/H Kit
04651-20431-71	Lift Cylinder O/H Kit
04651-20441-71	Tilt Cylinder O/H Kit
04651-20442-71	Tilt Cylinder O/H Kit
04651-20841-71	Lift Cylinder O/H Kit
04651-20970-71	Lift Cylinder O/H Kit
04651-20971-71	Lift Cylinder O/H Kit
04651-20980-71	Lift Cylinder O/H Kit
04651-20992-71	Lift Cylinder O/H Kit
04651-21150-71	Lift Cylinder O/H Kit
04651-21151-71	Lift Cylinder O/H Kit
04651-21290-71	Lift Cylinder O/H Kit
04651-21310-71	Lift Cylinder O/H Kit
04651-21340-71	Lift Cylinder O/H Kit
04651-21350-71	Lift Cylinder O/H Kit
04651-21370-71	Lift Cylinder O/H Kit
04651-30111-71	Lift Cylinder O/H Kit
04651-30131-71	Lift Cylinder O/H Kit
04651-30170-71	Tilt Cylinder O/H Kit
04651-30181-71	Tilt Cylinder O/H Kit
04651-30211-71	Tilt Cylinder O/H Kit
04651-30212-71	Lift Cylinder O/H Kit
04651-30292-71	Lift Cylinder O/H Kit
04651-30561-71	Lift Cylinder O/H Kit
04651-30841-71	Lift Cylinder O/H Kit
04651-30842-71	Lift Cylinder O/H Kit

TOYOTA

Part#	Description
04651-30911-71	Lift Cylinder O/H Kit
04651-30920-71	Lift Cylinder O/H Kit
04651-30980-71	Lift Cylinder O/H Kit
04651-30991-71	Lift Cylinder O/H Kit
04651-31170-71	Lift Cylinder O/H Kit
04651-31180-71	Lift Cylinder O/H Kit
04651-31181-71	Lift Cylinder O/H Kit
04651-31210-71	Lift Cylinder O/H Kit
04651-31211-71	Lift Cylinder O/H Kit
04651-31220-71	Lift Cylinder O/H Kit
04651-31230-71	Lift Cylinder O/H Kit
04651-31240-71	Lift Cylinder O/H Kit
04651-31250-71	Lift Cylinder O/H Kit
04651-31281-71	Lift Cylinder O/H Kit
04651-31282-71	Lift Cylinder O/H Kit
04651-31290-71	Lift Cylinder O/H Kit
04651-31302-71	Lift Cylinder O/H Kit
04651-31311-71	Lift Cylinder O/H Kit
04651-31410-71	Lift Cylinder O/H Kit
04651-31420-71	Lift Cylinder O/H Kit
04651-31430-71	Lift Cylinder O/H Kit
04651-31440-71	Lift Cylinder O/H Kit
04651-31450-71	Lift Cylinder O/H Kit
04651-31500-71	Lift Cylinder O/H Kit
04651-31510-71	Lift Cylinder O/H Kit
04651-31520-71	Lift Cylinder O/H Kit
04651-31530-71	Lift Cylinder O/H Kit
04651-31800-71	Lift Cylinder O/H Kit
04651-31820-71	Lift Cylinder O/H Kit
04652-10020-71	Lift Cylinder O/H Kit
04652-10030-71	Lift Cylinder O/H Kit
04652-10170-71	Lift Cylinder O/H Kit
04652-10191-71	Lift Cylinder O/H Kit
04652-10300-71	Lift Cylinder O/H Kit
04652-20031-71	Lift Cylinder O/H Kit
04652-20040-71	Lift Cylinder O/H Kit
04652-30010-71	Lift Cylinder O/H Kit
04652-30011-71	Lift Cylinder O/H Kit
04652-30020-71	Lift Cylinder O/H Kit
04652-30030-71	Lift Cylinder O/H Kit
04652-30040-71	Lift Cylinder O/H Kit
04652-30050-71	Lift Cylinder O/H Kit
04652-30131-71	Lift Cylinder O/H Kit
04652-30150-71	Lift Cylinder O/H Kit
04652-U1020-71	Lift Cylinder O/H Kit
04652-U2010-71	Lift Cylinder O/H Kit
04652-U2020-71	Lift Cylinder O/H Kit
04652-U3010-71	Lift Cylinder O/H Kit
04653-10020-71	Lift Cylinder O/H Kit
04653-10030-71	Lift Cylinder O/H Kit
04653-10040-71	Lift Cylinder O/H Kit
04653-10050-71	Lift Cylinder O/H Kit
04653-10060-71	Lift Cylinder O/H Kit
04653-10170-71	Lift Cylinder O/H Kit
04653-10530-71	Lift Cylinder O/H Kit
04653-20071-71	Lift Cylinder O/H Kit

TOYOTA

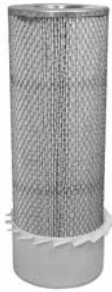
Part#	Description
04653-20081-71	Lift Cylinder O/H Kit
04653-20090-71	Lift Cylinder O/H Kit
04653-20100-71	Lift Cylinder O/H Kit
04653-20110-71	Lift Cylinder O/H Kit
04653-20130-71	Lift Cylinder O/H Kit
04653-30010-71	Lift Cylinder O/H Kit
04653-30020-71	Lift Cylinder O/H Kit
04653-30030-71	Lift Cylinder O/H Kit
04653-30050-71	Lift Cylinder O/H Kit
04653-30060-71	Lift Cylinder O/H Kit
04653-30211-71	Lift Cylinder O/H Kit
04653-30221-71	Lift Cylinder O/H Kit
04653-30230-71	Lift Cylinder O/H Kit
04653-30240-71	Lift Cylinder O/H Kit
04653-30310-71	Lift Cylinder O/H Kit
04653-U1010-71	Lift Cylinder O/H Kit
04653-U1011-71	Lift Cylinder O/H Kit
04653-U2010-71	Lift Cylinder O/H Kit
04653-U3010-71	Lift Cylinder O/H Kit
04654-10020-71	Lift Cylinder O/H Kit
04654-10030-71	Lift Cylinder O/H Kit
04654-20020-71	Lift Cylinder O/H Kit
04654-30010-71	Lift Cylinder O/H Kit
04654-30020-71	Lift Cylinder O/H Kit
04654-30030-71	Lift Cylinder O/H Kit
04654-U1010-71	Lift Cylinder O/H Kit
04654-U2010-71	Lift Cylinder O/H Kit
04654-U3010-71	Lift Cylinder O/H Kit
04655-20030-71	Tilt Cylinder O/H Kit
04655-20080-71	Tilt Cylinder O/H Kit
04655-20090-71	Tilt Cylinder O/H Kit
04655-30040-71	Tilt Cylinder O/H Kit
04655-30041-71	Tilt Cylinder O/H Kit
04655-30042-71	Tilt Cylinder O/H Kit
04655-U1010-71	Tilt Cylinder O/H Kit
04655-U2010-71	Tilt Cylinder O/H Kit
04655-U3010-71	Tilt Cylinder O/H Kit
04671-20390-71	Power Steering O/H Kit

YALE

Part#	Description
5042362-29	Power Steering O/H Kit
5042362-45	Tilt Cylinder O/H Kit
5042362-87	Lift Cylinder O/H Kit
5048530-00	Tilt Cylinder O/H Kit
5048620-02	Lift Cylinder O/H Kit
5051360-03	Lift Cylinder O/H Kit
5051360-07	Lift Cylinder O/H Kit
5051360-08	Lift Cylinder O/H Kit
5051360-09	Lift Cylinder O/H Kit
5051360-10	Lift Cylinder O/H Kit
5051360-11	Lift Cylinder O/H Kit
5051360-12	Lift Cylinder O/H Kit
5051360-16	Lift Cylinder O/H Kit
5051360-17	Lift Cylinder O/H Kit
5051360-26	Lift Cylinder O/H Kit

YALE

Part#	Description
5051360-27	Lift Cylinder O/H Kit
5051360-28	Lift Cylinder O/H Kit
5051360-29	Lift Cylinder O/H Kit
5051360-31	Lift Cylinder O/H Kit
5051360-32	Lift Cylinder O/H Kit
5051360-35	Lift Cylinder O/H Kit
5051360-36	Lift Cylinder O/H Kit
5051360-37	Lift Cylinder O/H Kit
5051360-38	Lift Cylinder O/H Kit
5051360-39	Lift Cylinder O/H Kit
5051360-40	Lift Cylinder O/H Kit
5051360-41	Lift Cylinder O/H Kit
5051360-42	Lift Cylinder O/H Kit
5051360-43	Lift Cylinder O/H Kit
5051360-46	Lift Cylinder O/H Kit
5051360-47	Lift Cylinder O/H Kit
5051360-48	Lift Cylinder O/H Kit
5051360-49	Lift Cylinder O/H Kit
5051360-50	Lift Cylinder O/H Kit
5051360-51	Lift Cylinder O/H Kit
5051360-53	Packing Cylinder Kit
5051360-54	Side Shifter O/H Kit
5051360-57	Lift Cylinder O/H Kit
5051360-59	Lift Cylinder O/H Kit
5051420-00	Seal Kit
5051430-00	Lift Cylinder O/H Kit
5059755-76	Power Steering O/H Kit
5070160-00	Tilt Cylinder O/H Kit
5100790-00	Lift Cylinder O/H Kit
5161490-05	Packing Cylinder Kit
5161490-06	Tilt Cylinder O/H Kit
5178128-17	Steering Gear O/H Kit
5200453-40	Lift Cylinder O/H Kit
5200453-65	Lift Cylinder O/H Kit
5200453-66	Lift Cylinder O/H Kit
5223750-04	Lift Cylinder O/H Kit
5800059-21	Tilt Cylinder O/H Kit
5800224-11	Tilt Cylinder O/H Kit
5800227-66	Tilt Cylinder O/H Kit
5800269-54	Power Steering O/H Kit
5800269-57	Power Steering O/H Kit
9002998-51	Lift Cylinder O/H Kit
9008478-50	Power Steering O/H Kit
9008858-50	Tilt Cylinder O/H Kit
9012238-07	Power Steering O/H Kit
9012438-50	Power Steering O/H Kit
9013918-09	Power Steering O/H Kit
9015268-05	Power Steering O/H Kit
9017888-10	Power Steering O/H Kit
9019058-52	Power Steering O/H Kit
9019078-21	Steering Gear O/H Kit
9019828-51	Power Steering O/H Kit
9022018-50	Steering Gear O/H Kit

AF-01


Height 15.15" (384.56mm) Outer Diameter 5.35" (136.04mm)

Inner Diameter 3.38" (86.07mm)

AF-02


Height 14.30" (361.77mm) Outer Diameter 4.28" (108.73mm)

Inner Diameter 2.50" (63.63mm)

AF-03


Height 12.45" (316.40mm) Outer Diameter 6.14" (155.96mm)

Inner Diameter 3.40" (86.58mm)

AF-04


Height 7.83" (198.86mm) Outer Diameter 4.15" (105.59mm)

Inner Diameter 2.48" (62.86mm)

AF-05


Height 2.00" (50.80mm) Outer Diameter 9.08" (230.77mm)

Inner Diameter 6.82" (173.32mm)

AF-06


Height 9.34" (237.17mm) Outer Diameter 5.37" (136.40mm)

Inner Diameter 2.98" (75.65mm)

AF-07


Height 5.14" (130.64mm) Outer Diameter 6.90" (175.35mm)

Inner Diameter 3.70" (93.95mm)

AF-08


Height 6.72" (170.73mm) Outer Diameter 5.00" (127.12mm)

Inner Diameter 3.05" (77.63mm)

AF-09


Height 12.20" (310.00mm) Outer Diameter 5.00" (127.06mm)

Inner Diameter 3.26" (82.98mm)

AF-10


Height 14.00" (354.40mm) Outer Diameter 6.42" (163.24mm)

Inner Diameter 3.64" (92.40mm)

AF-11


Height 10.96" (278.48mm) Outer Diameter 5.45" (138.40mm)

Inner Diameter 3.35" (85.07mm)

AF-12


Height 10.44" (265.19mm) Outer Diameter 3.23" (82.04mm)

Inner Diameter 2.50" (63.51mm)

AF-13


Height 12.11" (307.56mm) Outer Diameter 3.27" (83.23mm)

Inner Diameter 2.49" (63.23mm)

AF-14


Height 11.85" (47.20mm) Outer Diameter 10.30" (261.53mm)

Inner Diameter 7.13" (181.15mm)

AF-15


Height 3.65" (92.60mm) Outer Diameter 7.40" (188.14mm)

Inner Diameter 4.31" (109.52mm)

AF-16


Height 5.77" (146.56mm) Outer Diameter 7.53" (191.31mm)

Inner Diameter 3.34" (84.86mm)

AF-17


Height 11.40" (289.55mm) Outer Diameter 7.77" (197.43mm)

Inner Diameter 2.58" (65.75mm)

AF-18


Height 5.13" (130.26mm) Outer Diameter 6.45" (164.00mm)

Inner Diameter 3.63" (92.40mm)

AF-19

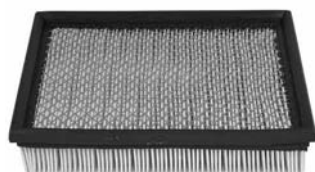

Height 12.37" (314.23mm) Outer Diameter 6.22" (158.05mm)

Inner Diameter 3.40" (86.34mm)

AF-20


Height 10.76" (273.24mm) Outer Diameter 4.16" (105.74mm)

Inner Diameter 2.48" (63.07mm)

AF-21


Height 1.48" (37.63mm) Outer Diameter 8.38" (213.00mm)

Inner Diameter -

AF-22


Height 5.57" (141.44mm) Outer Diameter 7.10" (180.26mm)

Inner Diameter 4.40" (111.77mm)

AF-23


Height 9.25" (234.90mm) Outer Diameter 5.96" (151.30mm)

Inner Diameter 2.20" (55.94mm)

AF-24


Height 11.55" (293.44mm) Outer Diameter 7.08" (179.95mm)

Inner Diameter 2.64" (67.04mm)

AF-25


Height 10.14" (257.62mm) Outer Diameter 3.34" (84.94mm)

Inner Diameter 2.20" (55.83mm)

AF-26


Height 13.00" (329.10mm) Outer Diameter 5.42" (137.64mm)

Inner Diameter 3.27" (83.16mm)

AF-27


Height 10.40" (264.00mm) Outer Diameter 4.17" (106.04mm)

Inner Diameter 2.47" (62.85mm)

AF-28


Height 11.30" (287.12mm) Outer Diameter 5.33" (135.36mm)

Inner Diameter 2.95" (74.93mm)

AF-29


Height 7.23" (183.63mm) Outer Diameter 2.68" (67.98mm)

Inner Diameter 1.27" (32.26mm)

AF-30


Height 3.05" (77.57mm) Outer Diameter 6.62" (168.11mm)

Inner Diameter 4.07" (103.50mm)

AF-31


Height 6.94" (176.28mm) Outer Diameter 4.28" (108.70mm)

Inner Diameter 2.95" (74.98mm)

AF-32


Height 5.17" (131.51mm) Outer Diameter 6.72" (170.62mm)

Inner Diameter 2.32" (58.80mm)

AF-33


Height 5.85" (148.58mm) Outer Diameter 8.40" (213.44mm)

Inner Diameter
4.04" (102.67mm)

AF-34


Height 10.39" (263.83mm) Outer Diameter 6.33" (160.76mm)

Inner Diameter
3.22" (81.77mm)

AF-35


Height 10.15" (257.90mm) Outer Diameter 5.21" (132.23mm)

Inner Diameter
2.95" (75.02mm)

AF-36


Height 8.98" (228.08mm) Outer Diameter 6.10" (154.90mm)

Inner Diameter
2.32" (58.89mm)

AF-37

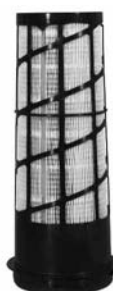

Height 2.17" (55.10mm) Outer Diameter 6.44" (163.50mm)

Inner Diameter
4.98" (126.55mm)

AF-38


Height 10.61" (269.56mm) Outer Diameter 4.65" (118.24mm)

Inner Diameter
2.08" (52.93mm)

AF-39


Height 13.00" (330mm) Outer Diameter 5.375" (136.54mm)

Inner Diameter
2.88" (73.16mm)

AF-40


Height 13.32" (338.50mm) Outer Diameter 3.62" (91.88mm)

Inner Diameter
2.82" (71.71mm)

AF-41


Height 7.71" (195.86mm) Outer Diameter 5.44" (138.23mm)

Inner Diameter
3.39" (86.39mm)

AF-42


Height 5.91" (150.32mm) Outer Diameter 3.39" (86.11mm)

Inner Diameter
2.03" (51.65mm)

AF-43


Height 12.37" (314.20mm) Outer Diameter 3.71" (94.25mm)

Inner Diameter
2.60" (66.02mm)

FF-01


Height 4.27" (108.51mm) Outer Diameter 2.17" (55.23mm)

FF-02


Height 1.54" (39.20mm) Outer Diameter 1.58" (40.06mm)

FF-03


Height 5.62" (142.77mm) Outer Diameter 3.87" (98.41mm)

FF-04


Height 2.71" (68.96mm) Outer Diameter 1.33" (34.03mm)

FF-05


Height 3.88" (98.45mm) Outer Diameter 1.91" (48.41mm)

FF-06


Height 4.76" (120.89mm)
Outer Diameter 3.30" (83.92mm)

Thread Diameter 0.69" (17.56mm)

FF-07


Height 5.20" (132.29mm)
Outer Diameter 2.60" (66.27mm)

FF-08


Height 5.14" (130.49mm)
Outer Diameter 2.79" (70.91mm)

Thread Diameter 0.42" (10.70mm)

FF-09


Height 4.97" (126.40mm)
Outer Diameter 2.62" (66.65mm)

Thread Diameter 0.51" (13.13mm)

FF-10


Height 3.45" (87.70mm)
Outer Diameter 1.93" (49.14mm)

Thread Diameter .524" (13.30mm)

FF-11


Height 3.65" (92.71mm)
Outer Diameter 3.22" (81.78mm)

Thread Diameter .6925" (17.58mm)

FF-12


Height 4.08" (103.61mm)
Outer Diameter 3.23" (82.06mm)

Thread Diameter .69" (17.51mm)

FF-13


Height 2.00" (51.30mm)
Outer Diameter .90" (23.76mm)

FF-14


Height 5.62" (142.77mm)
Outer Diameter 3.87" (98.41mm)

HF-01


Height 4.05" (103.07mm)
Outer Diameter 6.0" (152.57mm)

HF-02


Height 10.35" (263mm)
Outer Diameter 4.50" (114.51mm)

HF-03


Height 9.28" (235.69mm)
Outer Diameter 3.62" (92mm)

HF-04


Height 11.16" (283.50mm)
Outer Diameter 3.98" (101.29mm)

HF-05


Height 6.09" (154.80mm)
Outer Diameter 2.80" (71.11mm)

HF-06


Height 7.18" (182.28mm)
Outer Diameter 3.44" (87.39mm)

HF-07


Height 7.48" (190.03mm)
Outer Diameter 4.32" (109.68mm)

HF-08


Height	Outer Diameter
7.36" (186.95mm)	4.25" (107.98mm)

HF-09


Height	Outer Diameter
4.08" (103.70mm)	1.46" (37.30mm)

HF-10


Height	Outer Diameter
4.81" (122.37mm)	2.55" (64.77mm)

HF-11


Height	Outer Diameter
6.50" (165.07mm)	3.50" (88.78mm)

HF-12


Height	Outer Diameter
6.34" (161mm)	3.35" (85.12mm)

HF-13


Height	Outer Diameter
7.81" (198.54mm)	3.55" (90.22mm)

HF-14


Height	Outer Diameter
3.62" (92.12mm)	3.14" (79.74mm)

HF-15


Height	Outer Diameter
4.48" (113.87mm)	3.12" (79.28mm)

HF-16


Height	Outer Diameter
4.48" (113.70mm)	3.41" (86.75mm)

HF-17


Height	Outer Diameter
4.54" (115.38mm)	3.96" (100.70mm)

HF-18


Height	Outer Diameter
7.06" (179.42mm)	4.32" (109.85mm)

HF-19


Height	Outer Diameter
7.86" (199.68mm)	2.04" (52mm)

HF-20


Height	Outer Diameter
5.38" (136.84mm)	4.30" (109.36mm)

HF-21


Height	Outer Diameter
3.82" (97.05mm)	3.12" (79.30mm)

HF-22


Height	Outer Diameter
3.87" (98.50mm)	2.50" (63.70mm)

HF-23


Height	Outer Diameter
3.58" (91.14mm)	3.35" (85.04mm)

HF-24


Height	Outer Diameter
3.38" (85.76mm)	2.28" (58.14mm)

HF-25


Height	Outer Diameter
3.55" (90.30mm)	3.15" (80.05mm)

HF-26


Height	Outer Diameter
6.54" (166.19mm)	3.54" (90.19mm)

HF-27


Height	Outer Diameter
6.60" (167.83mm)	3.53" (89.90mm)

HF-28


Height	Outer Diameter
3.74" (95.13mm)	3.94" (100.20mm)

HF-29


Height	Outer Diameter
8.15" (207.03mm)	3.66" (93.13mm)

HF-30


Height	Outer Diameter
7.78" (197.73mm)	4.33" (110.10mm)

HF-31


Height	Outer Diameter
5.42" (137.7mm)	3.72" (94.7mm)

HF-32


Height	Outer Diameter
5.35" (135.91mm)	3.75" (95.22mm)

HF-33


Height	Outer Diameter
4.85" (123.31mm)	4.28" (108.86mm)

HF-34


Height	Outer Diameter
5.05" (128.34mm)	5.55" (141.16mm)

HF-35


Height	Outer Diameter
10.82" (274.86mm)	2.365" (60.08mm)

HF-36


Height	Outer Diameter
7.78" (197.73mm)	4.33" (110.10mm)

HF-37


Height	Outer Diameter
7.5" (192.30mm)	3.90" (100.30mm)

HF-38


Height	Outer Diameter
6.78" (172.26mm)	3.83" (97.34mm)

Thread Diameter
1.05" (26.74mm)

OF-01


Height	Outer Diameter
3.56" (90.48mm)	2.73" (69.4mm)

Thread Diameter
17.64mm

OF-02


Height 4.07" (103.41mm)
Outer Diameter 3.75" (95.22mm)

Thread Diameter
18.92mm

OF-03


Height 3.45" (87.6mm)
Outer Diameter 3.00" (76.7mm)

Thread Diameter
18.84mm

OF-04


Height 2.85" (72.42mm)
Outer Diameter 3.33" (84.61mm)

Thread Diameter
17.53mm

OF-05


Height 3.96" (101mm)
Outer Diameter 3.29" (83mm)

Thread Diameter
17.55mm

OF-06


Height 3.84" (97.6mm)
Outer Diameter 3.88" (98.6mm)

Thread Diameter
17.57mm

OF-07


Height 5.03" (128mm)
Outer Diameter 3.34" (84.9mm)

Thread Diameter
17.65mm

OF-08


Height 3.96" (100.6mm)
Outer Diameter 3.90" (99.2mm)

Thread Diameter
17.50mm

OF-09


Height 4.90" (124.3mm)
Outer Diameter 3.32" (84.4mm)

Thread Diameter
17.50mm

OF-10


Height 5.36" (136.3mm)
Outer Diameter 3.75" (95.3mm)

Thread Diameter
18.54mm

OF-11


Height 4.12" (104.7mm)
Outer Diameter 4.12" (104.7mm)

Thread Diameter
23.25mm

OF-12


Height 5.90" (150mm)
Outer Diameter 4.15" (105.5mm)

Thread Diameter
23.40mm

OF-13


Height 5.00" (126.9mm)
Outer Diameter 3.05" (77.5mm)

Thread Diameter
16.72mm

OF-14


Height 5.40" (137.2mm)
Outer Diameter 3.78" (96mm)

Thread Diameter
23.40mm

OF-15


Height 5.43" (138.1mm)
Outer Diameter 4.14" (105.1mm)

Thread Diameter
23.26mm

OF-16


Height 3.45" (87.7mm)
Outer Diameter 3.06" (77.8mm)

Thread Diameter
17.50mm

OF-17


Height 3.30" (83.62mm)
Outer Diameter 3.70" (93.85mm)

Thread Diameter
18.30mm

OF-18


Height
5.48 (139.25mm)

Outer Diameter
3.74" (94.9mm)

Thread Diameter
14.68mm

OF-19


Height
5.42" (137.7mm)

Outer Diameter
3.72" (94.7mm)

Thread Diameter
17.53mm

OF-20


Height
3.42" (87mm)

Outer Diameter
2.84" (72.3mm)

Thread Diameter
18.72mm

OF-21


Height
3.02" (77.1mm)

Outer Diameter
3.16" (80.3mm)

Thread Diameter
18.58mm

OF-22


Height
5.35" (135.91mm)

Outer Diameter
3.75" (95.22mm)

Thread Diameter
23.52mm

OF-23


Height
3.448" (87.58mm)

Outer Diameter
3.02" (76.76mm)

Thread Diameter
.65" (16.54mm)

OF-24


Height
4.02" (102.19mm)

Outer Diameter
3.69" (93.98mm)

Thread Diameter
.75" (18.96mm)

OF-25


Height
6.66" (169.32mm)

Outer Diameter
3.64" (92.54mm)

Thread Diameter
.93" (23.68mm)

OF-26


Height
6.66" (169.32mm)

Outer Diameter
3.64" (92.54mm)

Thread Diameter
.695" (17.67mm)

TF-01


Height
7.24" (183.92mm)

Outer Diameter
2.50" (63.52mm)

TF-02


Height
6.50" (165.33mm)

Outer Diameter
1.72" (43.67mm)

TF-03


Height
4.06" (103.14mm)

Outer Diameter
2.90" (73.74mm)

TF-04


Height
3.46" (87.89mm)

Outer Diameter
2.34" (59.36mm)

TF-05


Height
3.96" (100.6mm)

Outer Diameter
3.90" (99.2mm)

Thread Diameter
17.50mm

TF-06


Height
3.45" (87.7mm)

Outer Diameter
3.06" (77.8mm)

Thread Diameter
17.50mm

TF-07


Height
4.01" (101.95mm)

Outer Diameter
3.70" (94.08mm)

Thread Diameter
18.30mm

TF-08


Height 5.41" (137.46mm)
Outer Diameter 3.77" (95.83mm)

Thread Diameter
22.95mm

TF-09


Height 3.65" (92.71mm)
Outer Diameter 3.22" (81.78mm)

Thread Diameter
17.58mm

TF-10


Height 3.91" (99.31mm)
Outer Diameter 3.82" (97.05mm)

Thread Diameter
17.40mm

TF-11


Height 2.90" (73.64mm)
Outer Diameter 3.70" (94mm)

Thread Diameter
17.40mm

TF-12


Height 5.20" (132.11mm)
Outer Diameter 3.75" (95.22mm)

Thread Diameter
17.96mm

TF-13


Height 5.40" (137.2mm)
Outer Diameter 3.78" (96mm)

Thread Diameter
23.40mm

TF-14


Height 3.20" (81.93mm)
Outer Diameter 3.10" (78.81mm)

Thread Diameter
23.40mm

CLARK

Part#	Filter	Type
1618480	Hydraulic	HF-02
1765756	Transmission	TF-01
1800976	Oil	OF-18
1804012	Air	AF-32
1804038	Hydraulic	HF-32
1804078	Oil	OF-22
1804079	Oil	OF-22
1804087	Oil	OF-13
1804107	Hydraulic	HF-32
1804147	Oil	OF-13
1804169	Air (Fire Ret.)	AF-36
1804170	Oil	OF-04
1804185	Oil	OF-02
1804193	Hydraulic	HF-30
1810143	Hydraulic	HF-01
1810437	Hydraulic	HF-02
1810620	Hydraulic	HF-02
1810918	Hydraulic	HF-03
2373789	Air	AF-21
2393449	Air (Fire Ret.)	AF-01
247050	Transmission	TF-08
2791707	Air (Fire Ret.)	AF-09
2796345	Air (Inner)	AF-13
2817055	Oil	OF-02
3779685	Oil	OF-22
6666376	Air (Fire Ret.)	AF-43
668788	Air	AF-31
733289	Hydraulic	HF-01
871975	Transmission	TF-03
883687	Hydraulic	HF-01
886525	Air (Fire Ret.)	AF-28
888936	Air (Fire Ret.)	AF-19
889098	Air (Fire Ret.)	AF-27
899839	Oil	OF-19
909213	Oil	OF-17
910535	Oil	OF-19
910780	Hydraulic	HF-32
910814	Oil	FF-11
918250	Oil	OF-20
918648	Oil	OF-20
919996	Hydraulic	HF-19
920519	Oil	OF-11
920665	Fuel	FF-03
925686	Hydraulic	HF-26
960698	Oil	OF-26
990936	Oil	OF-18
990937	Oil	OF-19
994579	Hydraulic	HF-32

CROWN

Part#	Filter	Type
77145	Hydraulic	HF-32

DOOSAN

Part#	Filter	Type
65.12515-5006	Fuel	FF-12
A213938	Air (Inner)	AF-13
A213939	Air (Fire Ret.)	AF-09
A218226	Oil	OF-20
A218649	Oil	OF-02
A218869	Air (Fire Ret.)	AF-41
A218870	Air (Fire Ret.)	AF-42
A223181	Fuel	FF-07
A232028	Oil	OF-13
A293020	Fuel	FF-03
D140182	Oil	OF-24
D141099	Oil	OF-22
D144020	Hydraulic	HF-38
D180238	Air	AF-32
D490652	Oil	OF-04
D501564	Hydraulic	HF-11

HYSTER

Part#	Filter	Type
127644	Oil	OF-02
1304950	Fuel	FF-05
1320000	Oil	OF-13
1327905	Oil	OF-26
1328691	Transmission	TF-12
1328692	Transmission	TF-10
1330033	Fuel	FF-03
1330342	Fuel	FF-01
1337159	Hydraulic	HF-29
1350036	Oil	OF-13
1360557	Hydraulic	HF-29
1368753	Fuel	FF-03
1368758	Fuel	FF-03
1368795	Oil	OF-15
1375550	Transmission	TF-11
1377080	Air (Fire Ret.)	AF-09
1377093	Air (Fire Ret.)	AF-02
1377788	Oil	OF-10
1380576	Oil	OF-13
1452112	Air (Inner)	AF-13
1457828	Oil	OF-08
1462439	Air (Fire Ret.)	AF-26
1544792	Lpg (Aisan)	FF-09
1559418	Air (Fire Ret.)	AF-38
1574111	Air (Fire Ret.)	AF-39
1584120	Oil	OF-23
180282	Oil	OF-18
180283	Transmission	TF-05
195852	Oil	OF-19
2021933	Hydraulic	HF-26
2021935	Hydraulic	HF-22
2028654	Air (Fire Ret.)	AF-09
2033621	Oil	OF-13
2034117	Air (Fire Ret.)	AF-20
2037740	Hydraulic	HF-04

HYSTER

Part#	Filter	Type
2039646	Hydraulic	HF-13
2039649	Hydraulic	HF-23
2070611	Hydraulic	HF-35
2075558	Transmission	TF-13
2077983	Oil	OF-21
2314259	Transmission	TF-05
236093	Transmission	TF-03
258237	Oil	OF-02
290732	Air (Fire Ret.)	AF-01
3000043	Oil	OF-18
3000071	Air	AF-29
3000107	Air	AF-33
3000235	Hydraulic	HF-01
3000238	Hydraulic	HF-03
3000336	Air	AF-30
3000346	Transmission	TF-03
3041065	Air	AF-32
305080	Air (Fire Ret.)	AF-28
3135954	Air (Fire Ret.)	AF-09
313796	Hydraulic	HF-29
324347	Fuel	FF-11
324692	Oil	OF-20
326483	Air (Fire Ret.)	AF-27
336567	Air (Fire Ret.)	AF-01
97310	Air (Fire Ret.)	AF-19

IMPCO

Part#	Filter	Type
F1-30869-001	Filter, Lpg	FF-09
F1-5	Air	AF-37

ISUZU

Part#	Filter	Type
9-14215-135-1	Air (Fire Ret.)	AF-19

KALMAR AC

Part#	Filter	Type
4048789	Transmission	TF-03
4048796	Transmission	TF-03
4512207	Oil	OF-18
4531050	Fuel	FF-12
4907794	Air (Fire Ret.)	AF-27
4907795	Air (Fire Ret.)	AF-28
4909733	Air (Fire Ret.)	AF-19
4910810	Oil	OF-19
4910983	Air	AF-29
4915347	Hydraulic	HF-32
4920158	Oil	OF-17
4940471	Transmission	TF-02
4941243	Hydraulic	HF-26
4941456	Transmission	TF-04
4941711	Hydraulic	HF-10
4942265	Oil	OF-05
4942493	Oil	OF-04

KALMAR AC

Part#	Filter	Type
4942494	Oil	OF-19
4947978	Oil	OF-14
4947979	Fuel	FF-11
4948580	Fuel	FF-02
4949208	Air (Inner)	AF-25
4949706	Air	AF-24
4953804	Oil	OF-26
4997568	Air	AF-30
8761853	Hydraulic	HF-11
8761948	Oil	OF-04
8762282	Oil	OF-21
8762405	Fuel	FF-03
8763270	Oil	OF-06
8764816	Air (Fire Ret.)	AF-43
8764821	Air (Fire Ret.)	AF-26

KOMATSU

Part#	Filter	Type
15208-01B02	Oil	OF-04
15208-31U00	Oil	OF-20
15208-43G0A	Oil	OF-19
15208-FM000	Oil	OF-11
15208-W1106	Oil	OF-06
16404-78225	Fuel	FF-02
16546-49216	Air	AF-18
307-15-12720	Transmission	TF-04
34B-66-15180	Hydraulic	HF-10
37Z-01-11630	Air	AF-24
37Z-02-38730	Air (Fire Ret.)	AF-20
37Z-02-AF234	Air	AF-18
37Z-02-AF331	Air	AF-15
37Z-02-AF931	Air (Fire Ret.)	AF-27
37Z-02-OF105	Oil	OF-10
37Z-02-OF201	Oil	OF-05
37Z-02-OF301	Oil	OF-08
37Z-AF-34750	Air (Fire Ret.)	AF-09
37Z-AF-34790	Air (Inner)	AF-13
3EA-01-A5390	Air (Fire Ret.)	AF-20
3EA-15-11600	Transmission	TF-02
3EB-02-25550	Air (Inner)	AF-25
3EB-02-34750	Air (Fire Ret.)	AF-09
3EB-02-34790	Air (Inner)	AF-13
3EB-15-41510	Transmission	TF-14
3EB-15-51600	Transmission	TF-02
3EB-66-11711	Hydraulic	HF-26
3EB-66-A2320	Hydraulic	HF-11
3EC-01-11730	Air (Fire Ret.)	AF-28
3EC-01-90015A	Air (Fire Ret.)	AF-26
3EC-01-90020A	Air (Fire Ret.)	AF-43
3EC-04-31610	Hydraulic	HF-30
3EC-66-17720	Hydraulic	HF-12
600-211-6140	Oil	OF-14
600-211-6240	Oil	OF-22
600-311-6220	Fuel	FF-11

KOMATSU

Part#	Filter	Type
600-311-9651	Fuel	FF-06
65-12501-7028B	Fuel	FF-03
65-12515-5008	Fuel	FF-03
AS15000-2300	Transmission	TF-06
HE40-0000415	Oil	OF-08
YM129150-35151	Oil	OF-21
YM129901-55850	Fuel	FF-03

MITSI / CAT

Part#	Filter	Type
0973352	Oil	OF-26
1090360	Hydraulic	HF-38
2W4246	Air	AF-22
30630-56800	Air (Fire Ret.)	AF-27
30A4000105	Oil	OF-20
30A4000205	Oil	OF-22
314361	Oil	OF-19
329060	Oil	OF-19
32A30-05300	Air	AF-24
32A40-00100	Oil	OF-11
32B4020100	Oil	OF-12
34440-22100	Oil	OF-22
34462-00300	Fuel	FF-12
34462-21040	Fuel	FF-03
34740-00200	Oil	OF-25
364464	Oil	OF-19
3G6926	Oil	OF-24
68147	Oil	OF-18
687744	Air (Fire Ret.)	AF-19
7N9027	Air	AF-32
7N9028	Air	AF-33
7W2326	Oil	OF-26
7W2327	Oil	OF-19
8N5504	Air	AF-33
90420-00460	Oil	OF-13
91220-10500	Oil	OF-17
91224-00052	Hydraulic	HF-24
91224-07101	Hydraulic	HF-24
91261-06200	Air	AF-34
91261-06700	Air (Fire Ret.)	AF-23
91261-08200	Air	AF-35
91264-06100	Fuel	FF-10
91265-09700	Fuel	FF-13
91275-13300	Hydraulic	HF-26
91275-15500	Hydraulic	HF-25
91361-13300	Air (Fire Ret.)	AF-36
91375-03800	Hydraulic	HF-27
91375-23600	Hydraulic	HF-28
91461-11500	Air (Fire Ret.)	AF-28
91861-01600	Air (Fire Ret.)	AF-19
91875-11400	Hydraulic	HF-13
91A65-00611	Fuel	FF-13
91B61-00912	Air (Fire Ret.)	AF-20
91E61-00600	Air (Inner)	AF-13

MITSI / CAT

Part#	Filter	Type
91E61-00712	Air (Fire Ret.)	AF-09
91H20-11870	Oil	OF-04
93A24-05500	Hydraulic	HF-09
971211	Hydraulic	HF-01
971212	Hydraulic	HF-02
971251	Oil	OF-04
971308	Air	AF-29
971441	Oil	OF-02
972225	Hydraulic	HF-03
9N5680	Oil	OF-22
MCF00321	Oil	OF-24

NISSAN

Part#	Filter	Type
15208-01B02	Oil	OF-04
15208-31U00	Oil	OF-20
15208-43G0A	Oil	OF-19
15208-55Y00	Oil	OF-05
15208-FM000	Oil	OF-11
15208-W1106	Oil	OF-06
15209-10H00	Oil	OF-07
15209-Y7502	Oil	OF-09
16403-J5500	Fuel	FF-11
16404-78225	Fuel	FF-02
16404-K4046	Fuel	FF-02
16404-L1100	Fuel	FF-02
16405-T9005	Fuel	FF-06
16546-00H03	Air (Fire Ret.)	AF-27
16546-00H10	Air (Fire Ret.)	AF-04
16546-0K000	Air (Fire Ret.)	AF-04
16546-0K300	Air (Fire Ret.)	AF-06
16546-49216	Air	AF-18
16546-51H10	Air (Fire Ret.)	AF-06
16546-FJ170	Air (Fire Ret.)	AF-20
16546-FK370	Air (Fire Ret.)	AF-09
16546-K4046	Air	AF-07
16546-L3000	Air	AF-08
16546-L3200	Air	AF-05
16919-W1602	Fuel	FF-13
31725-L1000	Transmission	TF-09
31728-11H01	Hydraulic	HF-09
31728-40K00	Hydraulic	HF-09
31728-FJ100	Hydraulic	HF-24
32132-48270	Transmission	TF-04
58395-91H01	Hydraulic	HF-32
58395-93H10	Hydraulic	HF-32
58396-47601	Hydraulic	HF-32
69220-6K200	Hydraulic	HF-11
69220-FK100	Hydraulic	HF-27
69270-FK100	Hydraulic	HF-28
69270-L1100	Hydraulic	HF-34
A6405-FM000	Fuel	FF-03

TCM

Part#	Filter	Type
112T2-52501	Transmission	TF-06
12163-82302	Transmission	TF-07
15208-43G0A	Oil	OF-19
15208-W1106	Oil	OF-06
16546-00H03	Air (Fire Ret.)	AF-27
16546-00H10	Air (Fire Ret.)	AF-04
16546-0K000	Air (Fire Ret.)	AF-04
16546-0K300	Air (Fire Ret.)	AF-06
16546-49216	Air	AF-18
16546-51H10	Air (Fire Ret.)	AF-06
16546-FJ170	Air (Fire Ret.)	AF-20
16546-FK370	Air (Fire Ret.)	AF-09
16546-K4046	Air	AF-07
16546-L3000	Air	AF-08
16546-L3200	Air	AF-05
20801-01041	Oil	OF-05
20801-01191	Oil	OF-10
20801-01281	Oil	OF-20
20801-01361	Oil	OF-04
20801-02021	Fuel	FF-11
20801-02061	Fuel	FF-02
20801-02141	Fuel	FF-03
20801-03021	Air	AF-05
20801-03041	Air	AF-18
20801-03091	Air (Fire Ret.)	AF-19
20801-03131	Air (Fire Ret.)	AF-27
20801-03221	Air (Fire Ret.)	AF-28
20801-03271	Air (Fire Ret.)	AF-04
20801-03281	Air	AF-07
20801-03291	Air	AF-08
20801-03351A	Air (Fire Ret.)	AF-20
20801-03361A	Air (Fire Ret.)	AF-09
20803-81071	Transmission	TF-06
210F7-52022	Hydraulic	HF-05
212T1-05851	Oil	OF-01
214A1-02601	Air (Fire Ret.)	AF-28
214A7-52081	Hydraulic	HF-06
216G7-52051	Hydraulic	HF-16
23657-62061	Hydraulic	HF-07
25591-02551C	Air (Fire Ret.)	AF-27
25597-60301A	Hydraulic	HF-07
25967-82001	Hydraulic	HF-08
271A7-52301	Hydraulic	HF-06
513A0-52391	Fuel	FF-13
FA3651-72061	Air (Fire Ret.)	AF-20
Z8943212191	Oil	OF-12
Z8943692990	Fuel	FF-03

TOYOTA

Part#	Filter	Type
04234-76001-71	Fuel	FF-02
04234-76002-71	Fuel	FF-02
04234-76003-71	Fuel	FF-02
15601-23480-71	Oil	OF-02

TOYOTA

Part#	Filter	Type
15601-33021	Oil	OF-09
15601-76003-71	Oil	OF-16
15601-76006-71	Oil	FF-11
15601-76009-71	Oil	OF-19
15601-78001-71	Oil	OF-08
15601-78101-71	Oil	OF-19
15601-U2120-71	Oil	OF-02
15615-U3160-71	Oil	OF-13
17702-30750-71	Air (Fire Ret.)	AF-19
17702-U3050-71	Air (Fire Ret.)	AF-19
17741-U2100-71	Air (Fire Ret.)	AF-09
17741-U3330-71	Air (Fire Ret.)	AF-10
17743-U2230-71	Air (Fire Ret.)	AF-11
17744-U2100-71	Air (Inner)	AF-13
17744-U2230-71	Air (Inner)	AF-12
17744-U3330-71	Air (Inner)	AF-40
17770-22000-71	Air (Fire Ret.)	AF-27
17791-22000-71	Air (Inner)	AF-25
17801-20540-71	Air	AF-14
17801-22000-71	Air	AF-15
17801-30240-71	Air	AF-16
17801-76003-71	Air	AF-15
17803-U2051-71	Air (Fire Ret.)	AF-28
17808-23800-71	Air (Fire Ret.)	AF-17
23300-78150-71	Fuel	FF-08
23301-30205-71	Air	AF-16
23302-31960-71	Fuel	FF-11
23303-76002-71	Fuel	FF-14
23303-76003-71	Fuel	FF-11
23854-23470-71	Fuel	FF-04
25310-34950-71	Fuel	FF-02
32670-12620-71	Transmission	TF-06
32901-31630-71	Hydraulic	HF-30
40150-30370-71	Transmission	TF-05
67501-11120-71	Hydraulic	HF-15
67501-12900-71	Hydraulic	HF-14
67501-23001-71	Hydraulic	HF-15
67501-23320-71	Hydraulic	HF-16
67501-32880-71	Hydraulic	HF-17
67502-13300-71	Hydraulic	HF-18
67502-20540-71	Hydraulic	HF-30
67502-23000-71	Hydraulic	HF-20
67502-23320-71	Hydraulic	HF-21
67502-26600-71	Hydraulic	HF-36
67502-32881-71	Hydraulic	HF-37
67502-U2230-71	Hydraulic	HF-36
67503-U2170-71	Hydraulic	HF-33
80915-76024-71	Oil	OF-08
90915-10004	Oil	OF-01
90915-YZZF1	Oil	OF-01

YALE

Part#	Filter	Type
1500172-00	Transmission	TF-05

YALE

Part#	Filter	Type
1500176-00	Oil	OF-03
1500222-00	Air	AF-03
1500231-00	Air (Fire Ret.)	AF-27
5029035-01	Hydraulic	HF-32
5042408-63	Air (Fire Ret.)	AF-28
5042977-89	Oil	OF-13
5042977-90	Oil	OF-02
5059665-78	Transmission	TF-10
5059735-80	Hydraulic	HF-29
5134988-01	Hydraulic	HF-31
5158648-00	Air (Fire Ret.)	AF-28
5159358-00	Oil	OF-18
5188016-24	Transmission	TF-11
5194548-00	Oil	OF-08
5200450-26	Air (Fire Ret.)	AF-09
5241367-54	Oil	OF-26
5242285-05	Oil	OF-21
5800005-43	Air (Inner)	AF-13
5800071-44	Transmission	TF-12
5800088-52	Oil	OF-19
5800109-91	Air (Fire Ret.)	AF-26
5800121-51	Hydraulic	HF-04
5800139-77	Oil	OF-13
5800432-55	Lpg (Aisan)	FF-09
5800488-39	Air (Fire Ret.)	AF-38
5800521-53	Hydraulic	HF-35
5800539-08	Air (Fire Ret.)	AF-39
5800569-44	Oil	OF-23
5800586-68	Transmission	TF-13
5800911-02	Transmission	TF-06
7511661-00	Air (Fire Ret.)	AF-01
9000012-24	Fuel	FF-05
9000062-82	Oil	OF-13
9000112-32	Fuel	FF-01
9009078-11	Fuel	FF-03
9010958-57	Oil	OF-15
9019928-50	Air (Fire Ret.)	AF-27
9021668-02	Air (Fire Ret.)	AF-20
9022558-02	Air (Fire Ret.)	AF-09
9105444-00	Hydraulic	HF-26
9105454-01	Hydraulic	HF-22
9105454-03	Hydraulic	HF-23
9173804-00	Hydraulic	HF-13
9277884-00	Transmission	OF-08


1.6L

Vortec 1600 Industrial Engine

Features & Benefits

- Designed to use gasoline, propane, and natural gas.
- Hardened valve seat inserts to maintain excellent performance when using alternative fuels.
- Single overhead cam valvetrain optimize performance and efficiency.
- Crank-triggered, waste spark ignition system utilizes the coil pack, crankshaft position sensor and available ECM for accurate spark timing.
- World-class engine sealing system for superior leak protection.
- Poly-V belt harmonic balancer is standard.
- Aluminum PFI-style intake manifold can be used for gaseous fuels (LPG or Natural Gas) or can be up-fitted with the optional gasoline fuel system.
- Pistons have high silicon content for improved durability and noise reduction.
- Exhaust manifold heat shield reduces radiated heat to nearby components.
- Engine has a badge area on top where OEMs can place their own identifying badge.

INCLUDED SUPPORTING PARTS

Intake Manifold	Water Outlet
Exhaust Manifold	Ignition Coil
Flywheel	Spark Plugs
Water Pump	Spark Plug Wires
Thermostat Housing	Oil Filter

81780-GM

2.4L

Vortec 2400 Industrial Engine

Features & Benefits

- Designed to use gasoline, propane, and natural gas.
- Aluminum heads with premium valve seat inserts and hard faced exhaust valves for extended life on gaseous fuels.
- 58X crank-triggered, waste spark ignition system utilizes the coil pack, crankshaft position sensor and available ECM for accurate OEM-defined spark timing which cannot be altered by end user.
- Aluminum PFI-style intake manifold can be used for gaseous fuels (LPG or Natural Gas) or can be up-fitted with the optional gasoline fuel system (shipped without throttle body unit).
- Dual takedown cast iron exhaust manifold with heat shield reduces radiated heat to nearby components.
- Engine has a badge area on top where OEMs can place their own identifying badge.
- 1.4kW starter for faster starts at any temperature.
- Thermostat with internal bleed for improved cooling system performance.

INCLUDED SUPPORTING PARTS

Intake Manifold	Water Outlet
Exhaust Manifold	Ignition Coil
Flywheel	Spark Plugs
Water Pump	Spark Plug Wires
Thermostat Housing	Oil Filter

88058-GM


3.0L

Vortec 3000 Industrial Engine

Features & Benefits

- Designed to use gasoline, propane, and natural gas.
- Hardened valve seat inserts to maintain excellent performance when using alternative fuels.
- Single overhead cam valvetrain optimizes performance and efficiency.
- Crank-triggered, waste spark ignition system utilizes the coil pack, crankshaft position sensor and available ECM for accurate spark timing.
- World-class engine sealing system for superior leak protection.
- Poly-V belt harmonic balancer is standard.
- Aluminum PFI-style intake manifold can be used for gaseous fuels (LPG or Natural Gas) or can be up-fitted with the optional gasoline fuel system.
- Pistons have high silicon content for improved durability and noise reduction.
- Exhaust manifold heat shield reduces radiated heat to nearby components.
- Engine has a badge area on top where OEMs can place their own identifying badge.

INCLUDED SUPPORTING PARTS

Intake Manifold	Water Outlet
Exhaust Manifold	Ignition Coil
Flywheel	Spark Plugs
Water Pump	Spark Plug Wires
Thermostat Housing	Oil Filter

TOYOTA ONLY

84780-GM

85890-GM

86360-GM


4.3L

Fits all 4.3L (1991-1996)

Vortec 4300 Industrial Engine

Features & Benefits

- Designed to use gasoline, propane gas and natural gas.
- Roller valve lifters and roller rocker arms for reduced friction and improved fuel economy.
- Nodular iron crankshaft has undercut and rolled fillets for durability.
- Counter-rotating balance shaft for smooth performance and low noise.
- Composite rocker arm cover and front cover for noise reduction.
- World-class engine sealing system for superior leak protection.
- Cast aluminum oil pan for increased strength and noise reduction.
- Common rear face on most GM Powertrain industrial engines for easy hookup with housing.

**1 YEAR / 1000 HOURS
WARRANTY
ON ALL ENGINES**

INCLUDED SUPPORTING PARTS

Water Pump	Spark Plugs
Intake Manifold	Crank Sensor
Intake Manifold Gasket	
Distributor (Complete)	
Ignition Coil	

80720-GM


4.3L

Vortec 4300 Industrial Engine

Features & Benefits

- Designed to use gasoline, propane gas and natural gas.
- Roller valve lifters and roller rocker arms for reduced friction and improved fuel economy.
- Nodular iron crankshaft has undercut and rolled fillets for durability.
- Counter-rotating balance shaft for smooth performance and low noise.
- Composite rocker arm cover and front cover for noise reduction.
- World-class engine sealing system for superior leak protection.
- Cast aluminum oil pan for increased strength and noise reduction.
- Common rear face on most GM Powertrain industrial engines for easy hookup with housing.



INCLUDED SUPPORTING PARTS

Water Pump	Spark Plugs
Intake Manifold	Crank Sensor
Intake Manifold Gasket	
Distributor (Complete)	
Ignition Coil	


4.3L

Long Block

Vortec 4300 Industrial Engine

Features & Benefits

- Designed to use gasoline, propane gas and natural gas.
- Roller valve lifters and roller rocker arms for reduced friction and improved fuel economy.
- Nodular iron crankshaft has undercut and rolled fillets for durability.
- Counter-rotating balance shaft for smooth performance and low noise.
- Composite rocker arm cover and front cover for noise reduction.
- World-class engine sealing system for superior leak protection.
- Cast aluminum oil pan for increased strength and noise reduction.
- Common rear face on most GM Powertrain industrial engines for easy hookup with housing.

**1 YEAR / 1000 HOURS
WARRANTY
ON ALL ENGINES**

82540-GM

83670-GM

87850-GM

89530-GM

83740-GM


5.7L

Vortec 5700 Industrial Engine

Features & Benefits

- High-flow cylinder head with straighter intake ports and a higher compression ratio delivers impressive horsepower.
- Valvetrain features advanced design silent timing chain for added durability and positive inlet valve stem seals for reduced oil consumption.
- Roller valve lifters for reduced friction and improved performance.
- Composite front timing cover for noise reduction and corrosion protection.
- New water pump: efficiency improved up to 12% more generating a higher pressure head, up to 20% more by using a new impeller and housing design.
- Cylinder head gaskets have stainless steel core for corrosion resistance.



**1 YEAR / 1000 HOURS
WARRANTY
ON ALL ENGINES**

INCLUDED SUPPORTING PARTS

Intake Manifold
Flywheel
Water Pump
Spark Plugs
Oil Filter

86590-GM


Toyota Engine 4Y Long Block

Features & Benefits

Model: 4Y

Type: 4 cylinders inline, water-cooling, 4 stroke, natural aspiration

Bore x stroke: 91mm * 86mm

Displacement: 2.237L (136.50 In3)

Ignition order: 1-3-4-2

Compression ratio: 8.8 : 1

Power rating: 76kw 4600rpm [EFI] / 68kw 4600rpm [carburetor]

Peak torque: 193N.m (142 lb.ft) 2200rpm

Idle speed: 800 ± 50 rpm

Net weight: 151kg

Overall dimensions: 710mm x 550mm x 720mm

Package: Plastic bag, iron bracket, paper carton

Fuel: 93# gasoline

Fuel supply: Carburetor / Electronic Fuel Injection

Minimum fuel consumption: ≤ 270 g/kw.h

Emission level: Euro II (EFI)

82463-4Y

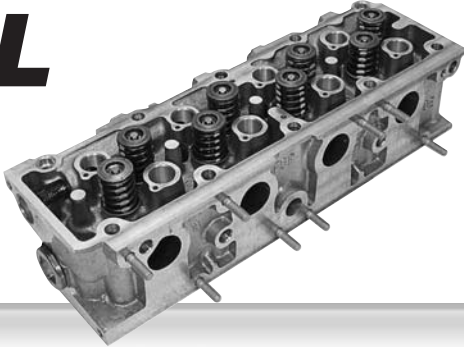
1.6L



70416-GM

INCLUDED SUPPORTING PARTS			
Description	Quantity	Description	Quantity
Bare Head	1	Valves	4
Lifter	8	Valve Cap	8
Lock Pin	2	Valve Exhaust	4
Stud	13	Valve Key	16
Seal ASM	8	Valve Seat	4
Rotator	4	Valve Spring	8

2.4L



70424-GM

INCLUDED SUPPORTING PARTS			
Description	Quantity	Description	Quantity
Bare Head	1	Valve, Exhaust	4
Exhaust Stud	8	Valve, Intake	4
Lifter	8	Valve Key	16
Rotator Exhaust	4	Valve Seat	4
Seal ASM	8	Valve Spring	8
Valve Cap	8		

3.0L



70430-GM

INCLUDED SUPPORTING PARTS			
Description	Quantity	Description	Quantity
Bare Head	1	Valve Seal	8
Rotator Valve	4	Valve Spring	8
Valve Cap	4	Valve Stem Shield	8
Valve, Exhaust	4		
Valve, Intake	4		
Valve Key	16		

4.3L



70443-GM

INCLUDED SUPPORTING PARTS			
Description	Quantity	Description	Quantity
Bare Head	1	Valve Spring	6
Valve Cap	6	Valve Stem Shield	6
Valve, Exhaust	3		
Valve, Intake	3		
Valve, Key	12		
Valve Seal	6		

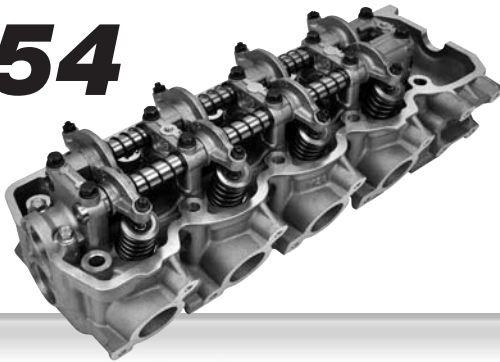
5.7L



70457-GM

INCLUDED SUPPORTING PARTS			
Description	Quantity	Description	Quantity
Bare Head	1	Valve Spring	8
Valve Cap	8		
Valve, Exhaust	4		
Valve, Intake	4		
Valve, Key	16		
Valve Seal	8		

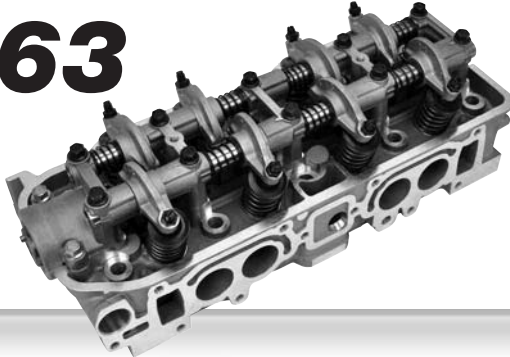
4G54



80-4G54

INCLUDED SUPPORTING PARTS			
Description	Quantity	Description	Quantity
Bare Cylinder Head	1	Valve Retainer	8
Intake Valve	4	Cam Shaft	1
Exhaust Valve	4	Rocker Arm	8
Valve Keeper	16	Rocker Arm Shaft	2
Valve Seal	8		
Valve Spring	8		

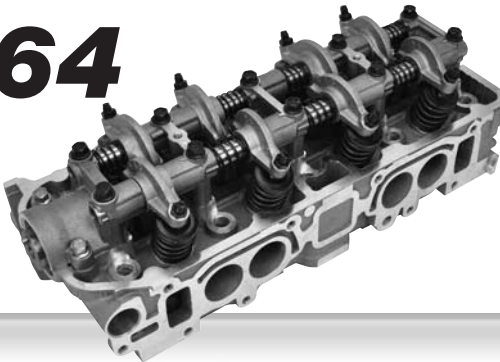
4G63



80-4G63

INCLUDED SUPPORTING PARTS			
Description	Quantity	Description	Quantity
Bare Cylinder Head	1	Valve Spring	8
Inlet Valve	8	Adjustable Rocker Arm	8
Exhaust Valve	8	Rocker Arm Shaft	2
Spring Cap	8	Camshaft	1
Valve Seal	8	Rocker Arm Spring	8
Keeper	16	Rocker Arm Spring Shim	8
Spring Seat	8		

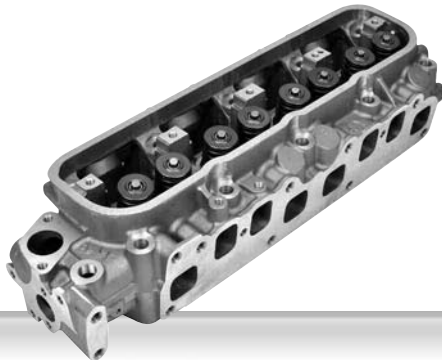
4G64



80-4G64

INCLUDED SUPPORTING PARTS			
Description	Quantity	Description	Quantity
Bare Cylinder Head	1	Valve Spring	8
Inlet Valve	8	Adjustable Rocker Arm	8
Exhaust Valve	8	Rocker Arm Shaft	2
Spring Cap	8	Camshaft	1
Valve Seal	8	Rocker Arm Spring	8
Keeper	16	Rocker Arm Spring Shim	8
Spring Seat	8		

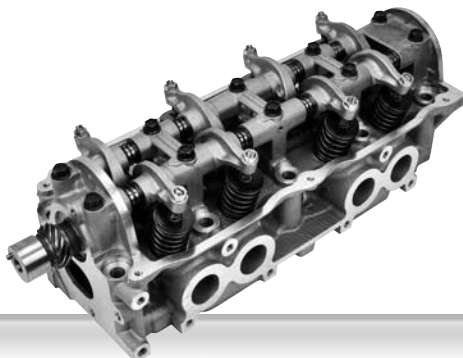
4Y



80-4Y

INCLUDED SUPPORTING PARTS			
Description	Quantity	Description	Quantity
Bare Head	1	Keeper	16
Inlet Valve	4	Valve Spring	8
Exhaust Valve	4		
Spring Seat	8		
Valve Seal	8		
Spring Cap	8		

FE



80-FE

INCLUDED SUPPORTING PARTS			
Description	Quantity	Description	Quantity
Bare Cylinder Head	1	Exhaust Valve	4
Camshaft	1	Keeper	16
Rocker Arm	8	Spring Base	8
Head Bolt	8	Spring Retainer	8
Rocker Shaft	2	Valve Spring	8 Pair
Rocker Arm Spring	8	Valve Stem Seal	8
Intake Valve	4	Valve Guide	8

GASKETS / OVERHAUL GASKET SETS

132

CLARK

Part#	Description	Engine
3768089	Gasket Overhaul Set	4G52
3779996	Head Gasket	4G52
909147	Head Gasket	4G54
909410	Gasket Overhaul Set	4G54
911140	Head Gasket	4G32
911142	Gasket Overhaul Set	4G32
911412	Overhaul Gasket Kit	4G54
918489	Head Gasket	4G64
918566	Upper Gasket Overhaul Set	4G64
920214	Gasket Overhaul Set	4G64
920268	Overhaul Gasket Kit	4G63
920269	Upper Overhaul Gasket Kit	4G63
922200	Valve Cover Gasket	4.3L
922797	Head Gasket	4.3L
925017	Valve Cover Gasket	3.0L
925048	Head Gasket	3.0L

DOOSAN

Part#	Description	Engine
A218019	Gasket Overhaul Set	4G64
A218020	Upper Gasket Overhaul Set	4G64
A218039	Head Gasket	4G64
A218605	Head Gasket	3.0L
A218625	Valve Cover Gasket	3.0L
A232065	Valve Cover Gasket	4.3L
A232092	Head Gasket	4.3L
D490596	Head Gasket	K21 & K25

HYSTER

Part#	Description	Engine
1331343	Head Gasket	3.0L
1360889	Head Gasket	FE
1367190	Gasket Overhaul Kit	FE
1374293	Valve Cover Gasket	4.3L
1386190	Head Gasket	4.3L
2022494	Head Gasket	FE
2045321	Head Gasket	FE
324736	Head Gasket	VA
388323	Valve Cover Gasket	3.0L

HYSTER

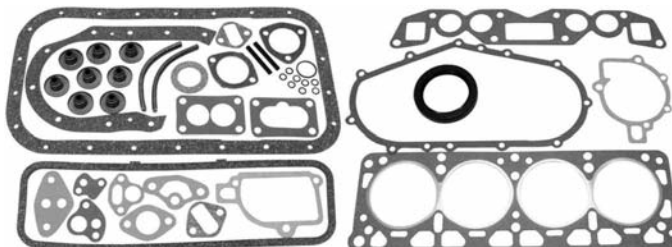
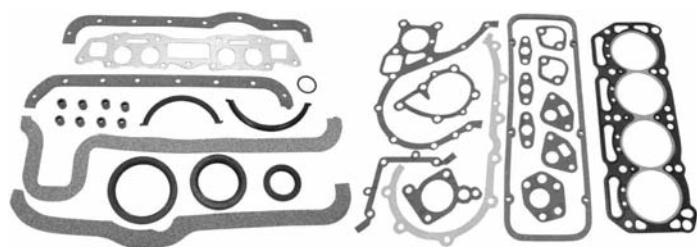
Part#	Description	Engine
VA-GASKET-SET	Gasket Overhaul Set	VA

KALMAR AC

Part#	Description	Engine
4921389	Overhaul Gasket Kit	4G54
4942126	Head Gasket	H20
4942488	Gasket Overhaul Kit	H20
8761907	Head Gasket	H20 II
8762101	Head Gasket	H25
8762619	Gasket Overhaul Kit	H20 II

MITSI / CAT

Part#	Description	Engine
14035-FY500	Manifold Gasket	K21 & K25
90420-01150	Valve Cover Gasket	4.3L
90420-01250	Head Gasket	4.3L
91H20-00360	Head Gasket	K21 & K25
91H20-00370	Head Gasket	K21 & K25
91H20-00380	Head Gasket	H20 II & H25
91H20-01740	Manifold Gasket	K21 & K25
91H20-06430	Gasket Overhaul Set	H20 II
91H20-06440	Gasket Set, Upper	K21 & K25
91H20-06510	Valve Cover Gasket	K21 & K25
MD009519	Head Gasket	4G33
MD115646	Head Gasket	4G54
MD189978	Head Gasket	4G63
MD190393	Head Gasket	4G64
MD304512	Head Gasket	4G52
MD971325	Upper Overhaul Gasket Kit	4G63
MD971634	Upper Gasket Overhaul Set	4G64
MD972030	Overhaul Gasket Kit	4G63
MD972032	Overhaul Gasket Kit	4G64
MD972658	Gasket Overhaul Kit	4G33
MD972660	Gasket Overhaul Kit	4G52
MD972661	Gasket Overhaul Kit	4G54
MD972979	Overhaul Gasket Kit	4G63
MD974643	Overhaul Gasket Kit	4G54



NISSAN

Part#	Description	Engine
10101-05H25	Gasket Overhaul Kit	A15
10101-50K00	Gasket Overhaul Set	H20 II (K-Series)
10101-50K0J	Gasket Overhaul Kit	H20 II
10101-52HIJ	Gasket Overhaul Set	TB42
10101-60K25	Gasket Overhaul Set	H25
10101-FY52K	Gasket Overhaul Set	K21 & K25
10101-L94IJ	Gasket Overhaul Set	TB42
11042-FY52K	Gasket Set, Upper	K21 & K25
11044-50K00	Head Gasket	H20 II
11044-60K00	Head Gasket	H25
11044-B9501	Head Gasket	J15
11044-B9511	Head Gasket	J15
11044-FU400	Head Gasket	K21 & K25
11044-FU460	Head Gasket	K21 & K25
11044-K8700	Head Gasket	H20 II (K-Series)
13270-FY50A	Valve Cover Gasket	K21 & K25
A0101-00H24	Gasket Overhaul Set	H20
A0101-00H2H	Gasket Overhaul Set	H20
A0101-L113E	Gasket Overhaul Set	H20
A0101-L172F	Gasket Overhaul Kit	J15
11044-L1100	Head Gasket	H20

TCM

Part#	Description	Engine
11044-L1100	Head Gasket	H20
20801-05074	Gasket Overhaul Kit	J15
20801-05075	Gasket Overhaul Kit	J15
20801-05096	Gasket Overhaul Kit	H20
212T1-05001	Gasket Overhaul Set	4Y
212T1-05051	Head Gasket	4Y
T-8AZJ-10-271	Gasket Overhaul Kit	F2SM
T-F8B5-10-271	Head Gasket	F2SM

TOYOTA

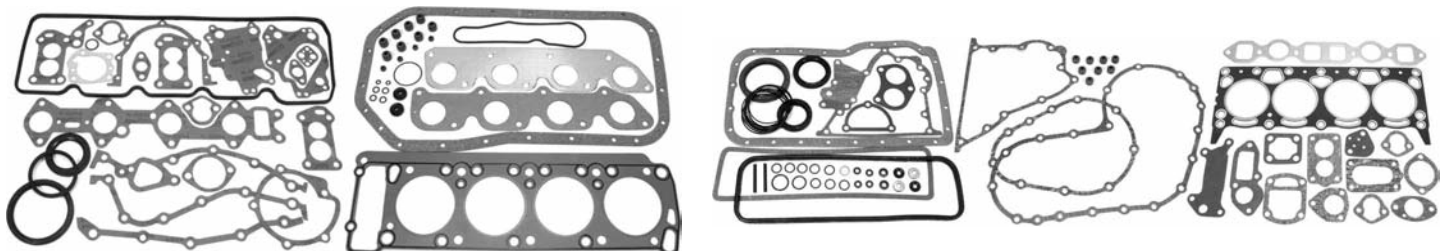
Part#	Description	Engine
04111-2023071	Gasket Overhaul Set	4Y
04111-2030071	Gasket Overhaul Set	4Y
04111-2030171	Gasket Overhaul Set	4Y
04111-2030271	Gasket Overhaul Set	4Y

TOYOTA

Part#	Description	Engine
04111-2038071	Gasket Overhaul Set	4Y
04111-7805371	Gasket Set	5R
04111-7815071	Gasket Overhaul Set	4Y
04112-2020071	Gasket Set, Upper	4Y
04112-2020171	Gasket Set, Upper	4Y
04112-2020271	Gasket Set, Upper	4Y
11115-7600571	Head Gasket	5R
11115-7602971	Head Gasket	4Y
11115-7805071	Head Gasket	5R
11115-7815271	Head Gasket	4Y
11115-U212071	Head Gasket	3.0L
11118-U316071	Head Gasket	4.3L
11214-U212071	Valve Cover Gasket	3.0L
11214-U316071	Valve Cover Gasket	4.3L

YALE

Part#	Description	Engine
5042597-62	Head Gasket	FE
5042597-63	Overhaul Gasket Kit	F2
5042597-64	Head Gasket	F2
5059765-18	Gasket Overhaul Set	FE
5185040-05	Gasket Overhaul Set	VA
5200468-65	Head Gasket	4.3L
5800006-17	Valve Cover Gasket	3.0L
5800006-63	Head Gasket	3.0L
5800264-20	Gasket Overhaul Set	FE
5800524-98	Head Gasket	VA
9000062-57	Valve Cover Gasket	4.3L
9012708-30	Head Gasket	D5
9012878-01	Gasket Overhaul Set	D5
9012908-39	Head Gasket	FE



ENGINE MOUNTS

134

MITSI / CAT



91213-12201

MITSI / CAT



91331-30031

MITSI / CAT



91331-30041

NISSAN



60620-04H01

NISSAN



60621-04H00

TOYOTA



12361-13021-71

TOYOTA



12361-23001-71

TOYOTA



12361-23341-71

TOYOTA



12361-26600-71

TOYOTA



41261-23340-71

TOYOTA



41261-23342-71

TOYOTA



41261-30510-71

TOYOTA



41261-30512-71

CLARK 4G32

Part#	Description	Part#	Description
911146	Piston & Pin Set (Std.)	909197	Valve Stem Seal
911148	Piston & Pin Set (.50mm)	3768094	Valve Spring
911149	Piston & Pin Set (.75mm)	4307272	Timing Belt
911150	Piston & Pin Set (1.00mm)	3779939	Tensioner
911151	Piston Ring Set (Std.)	3785371	Camshaft Gear
911153	Piston Ring Set (.50mm)	911142	Overhaul Gasket Kit
911154	Piston Ring Set (.75mm)	911140	Head Gasket
911155	Piston Ring Set (1.00mm)	3779922	Valve Cover Gasket
3790795	Rod Bearing Set (Std.)		
3790796	Rod Bearing Set (.25mm)		
3790797	Rod Bearing Set (.50mm)		
3790798	Rod Bearing Set (.75mm)		
3768026	Main Bearing Set (Std.)		
3768027	Main Bearing Set (.25mm)		
3768028	Main Bearing Set (.50mm)		
3768029	Main Bearing Set (.75mm)		
4307277	Exhaust Valve		
4307278	Intake Valve		
3779894	Exhaust Guide		

CLARK 4G52

Part#	Description	Part#	Description
3779977	Piston & Pin Set (Std.)	909140	Exhaust Guide
3779974	Piston & Pin Set (.50mm)	909197	Valve Stem Seal
3779975	Piston & Pin Set (.75mm)	909202	Valve Spring
3779976	Piston & Pin Set (1.00mm)	913054	Timing Chain
911800	Piston Ring Set (Std.)	909206	Chain Tensioner Guide
911802	Piston Ring Set (.50mm)	909210	Tensioner Sleeve
911803	Piston Ring Set (.75mm)	909175	Crankshaft Gear
911804	Piston Ring Set (1.00mm)	909190	Camshaft Gear
909166	Rod Bearing Set (Std.)	909199	Camshaft
909406	Rod Bearing Set (.25mm)	909264	Fuel Pump
909407	Rod Bearing Set (.50mm)	3768089	Overhaul Gasket Kit
909408	Rod Bearing Set (.75mm)	3779996	Head Gasket
909113	Main Bearing Set (Std.)	3779972	Valve Cover Gasket
909385	Main Bearing Set (.25mm)	4323166	Exhaust Manifold Gasket
909386	Main Bearing Set (.50mm)	3779988	Intake Manifold Gasket
909387	Main Bearing Set (.75mm)		
912626	Exhaust Valve		
912627	Intake Valve		
909141	Intake Guide		

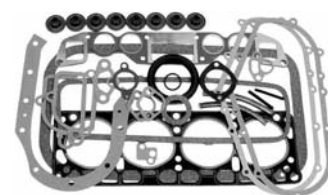


CLARK 4G54

Part#	Description	Part#	Description
909162	Piston & Pin Set (Std.)	913052	Intake Valve
909403	Piston & Pin Set (.50mm)	909141	Intake Guide
909404	Piston & Pin Set (.75mm)	909140	Exhaust Guide
909405	Piston & Pin Set (1.00mm)	909197	Valve Stem Seal
909161	Piston Ring Set (Std.)	909202	Valve Spring
909399	Piston Ring Set (.50mm)	913054	Timing Chain
909400	Piston Ring Set (.75mm)	909206	Chain Tensioner Guide
909401	Piston Ring Set (1.00mm)	909210	Tensioner Sleeve
909166	Rod Bearing Set (Std.)	909175	Crankshaft Gear
909406	Rod Bearing Set (.25mm)	909190	Camshaft Gear
909407	Rod Bearing Set (.50mm)	909199	Camshaft
909408	Rod Bearing Set (.75mm)	909264	Fuel Pump
909113	Main Bearing Set (Std.)	909410	Overhaul Gasket Kit
909385	Main Bearing Set (.25mm)	911412	Overhaul Gasket Kit
909386	Main Bearing Set (.50mm)	909147	Head Gasket
909387	Main Bearing Set (.75mm)	909159	Valve Cover Gasket
909205	Exhaust Valve	4323166	Exhaust Manifold Gasket
913053	Exhaust Valve	4323167	Intake Manifold Gasket
909204	Intake Valve		

CLARK 4G64

Part#	Description	Part#	Description
918502	Piston & Pin Set (Std.)	918527	Intake Valve
918503	Piston & Pin Set (.25mm)	909141	Intake Guide
918504	Piston & Pin Set (.50mm)	909140	Exhaust Guide
918505	Piston & Pin Set (.75mm)	909202	Valve Spring
918506	Piston & Pin Set (1.00mm)	918524	Valve Stem Seal
918497	Piston Ring Set (Std.)	918706	Timing Belt
918498	Piston Ring Set (.25mm)	918609	Tensioner
918499	Piston Ring Set (.50mm)	918488	Oil Seal, Camshaft
918500	Piston Ring Set (.75mm)	904837	Oil Seal, Crankshaft
918501	Piston Ring Set (1.00mm)	920214	Overhaul Gasket Set
918510	Rod Bearing Set (Std.)	920268	Overhaul Gasket Set
918511	Rod Bearing Set (.25mm)	918566	Upper Overhaul Gasket Set
925947	Rod Bearing Set (.50mm)	918489	Head Gasket
925932	Main Bearing Set (Std.)	930135	Valve Cover Gasket
918689	Main Bearing Set (.25mm)	918724	Intake Gasket
918690	Main Bearing Set (.50mm)	920306	Intake Gasket
918691	Main Bearing Set (.75mm)	918541	PCV Valve
918692	Main Bearing Set (1.00mm)	918537	Exhaust Gasket
918525	Exhaust Valve		



DOOSAN 4G64

Part#	Description	Part#	Description
A218142	Piston & Pin Set (Std.)	A218058	Exhaust Guide (.05)
A218143	Piston & Pin Set (.50mm)	A218059	Exhaust Guide (.25)
A218144	Piston & Pin Set (1.00mm)	A218060	Exhaust Guide (.50)
A218151	Piston Ring Set (Std.)	A218185	Valve Spring
A218152	Piston Ring Set (.50mm)	A218187	Valve Stem Seal, Intake
A218153	Piston Ring Set (1.00mm)	A218189	Valve Stem Seal, Exhaust
A218139	Rod Bearing Set (Std.)	A218162	Timing Belt
A218140	Rod Bearing Set (.25mm)	A218165	Tensioner
A218141	Rod Bearing Set (.50mm)	A218050	Oil Seal, Camshaft
A218078	Main Bearing Set (Std.)	A218089	Oil Seal, Crankshaft
A218079	Main Bearing Set (.25mm)	A218019	Overhaul Gasket Kit
A218080	Main Bearing Set (.50mm)	A218020	Upper Overhaul Gasket Kit
A218081	Main Bearing Set (.75mm)	A218039	Head Gasket
A218082	Main Bearing Set (1.00mm)	A218023	Valve Cover Gasket
A218186	Exhaust Valve	A252048	Intake Gasket
A218183	Intake Valve	A218186	Exhaust Gasket
A218055	Intake Guide (.05)	A218026	PCV Valve
A218056	Intake Guide (.25)		
A218057	Intake Guide (.50)		

HYSTER FE

Part#	Description	Part#	Description
1361714	Piston & Pin Set (Std.)	1361719	Valve Stem Seal, Exhaust
1361716	Piston & Pin Set (.50mm)	1361718	Valve Stem Seal, Intake
1361717	Piston & Pin Set (.75mm)	1361723	Valve Spring, Inner
13617180	Piston & Pin Set (1.00mm)	1361722	Valve Spring, Outer
1361707	Piston Ring Set (Std.)	1361733	Timing Belt
1361709	Piston Ring Set (Std.)	1361738	Tensioner
1361708	Piston Ring Set (.50mm)	1361691	Rear Oil Seal
1361775	Piston Ring Set (.75mm)	1497284	Rear Oil Seal
13617100	Piston Ring Set (1.00mm)	324772	Rear Oil Seal
1361703	Rod Bearing Set (Std.)	1455675	Oil Pump
1361704	Rod Bearing Set (.25mm)	9013008-19	Fuel Pump
1361705	Rod Bearing Set (.50mm)	1367190	Overhaul Gasket Set
1361706	Rod Bearing Set (.75mm)	1360889	Head Gasket
13617010	Rod Bearing Set (1.00mm)	2022494	Head Gasket
1361710	Main Bearing Set (Std.)	2045321	Head Gasket
1361713	Main Bearing Set (.25mm)	1360886	Valve Cover Gasket
1361711	Main Bearing Set (.50mm)	9012928-06	Oil Pan Gasket
1361712	Main Bearing Set (.75mm)	1361742	Intake Manifold Gasket
13617200	Main Bearing Set (1.00mm)	1361747	Exhaust Manifold Gasket
1361725	Exhaust Valve	1360893	PCV Valve
1361720	Intake Valve	1553692	PCV Valve
1360895	Valve Guide		

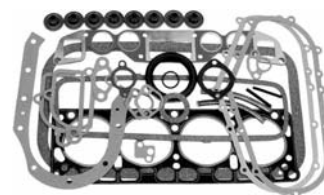


HYSTER VA

Part#	Description	Part#	Description
326555	Liner	326637	Camshaft
326583	Piston Assembly	326639	Lifters
326586	Piston Ring Set	324736	Head Gasket
326591	Rod Bearing Set (Std.)	324732	Valve Cover Gasket
326592	Rod Bearing Set (.25mm)	324737	Manifold Gasket
326593	Rod Bearing Set (.50mm)	326745	Oil Pump
326594	Rod Bearing Set (.75mm)	VA-GASKET-SET	Overhaul Gasket Set
326594-1.00	Rod Bearing Set (1.00mm)	321734	PCV Valve
326596	Main Bearing Set (Std.)		
326597	Main Bearing Set (.25mm)		
326598	Main Bearing Set (.50mm)		
326599	Main Bearing Set (.75mm)		
326599-1.00	Main Bearing Set (1.00mm)		
326588	Wrist Pin Bushing		
326614	Exhaust Valve		
326610	Intake Valve		
324728	Valve Stem Seal		
326613	Valve Spring		
326578	Valve Guide		

KALMAR AC H20

Part#	Description	Part#	Description
4942148	Piston & Pin Set (Std.)	4942211	Tensioner
4942149	Piston & Pin Set (.50mm)	4942126	Head Gasket
4942150	Piston & Pin Set (1.00mm)	4942234	Valve Cover Gasket
4942154	Ring Set (Std.)	4942245	Manifold Gasket
4942155	Ring Set (.50mm)	4942488	Overhaul Gasket Kit
4942156	Ring Set (1.00mm)	4942256	Oil Pump
4942161	Rod Bearing Set (Std.)	4942210	Timing Cover Seal
4942163	Rod Bearing Set (.25mm)	4942193	Sprocket, P.T.O.
4942164	Rod Bearing Set (.50mm)	4942195	Sprocket, P.T.O.
4942165	Rod Bearing Set (.75mm)	4942194	Chain, P.T.O.
4942168	Main Bearing Set (Std.)	4942146	PCV Valve
4942169	Main Bearing Set (.25mm)		
4942170	Main Bearing Set (.50mm)		
4942215	Exhaust Valve		
4942214	Intake Valve		
4948487	Valve Stem Seal		
4942208	Timing Chain		
4942205	Crankshaft Gear		
4942207	Camshaft Gear		



KALMAR AC H20 II

Part#	Description	Part#	Description
4969841	Piston & Pin Set (Std.)	4942256	Oil Pump
4969842	Piston & Pin Set (.50mm)	4969838	Oil Seal, Rear
4969843	Piston & Pin Set (1.00mm)	8761927	Timing Cover Seal
4969844	Piston & Pin Set (1.50mm)	8761932	Tensioner
4969845	Piston Ring Set (Std.)	8761940	Lifters
4969847	Piston Ring Set (.50mm)	8761907	Head Gasket
4969848	Piston Ring Set (.75mm)	4942234	Valve Cover Gasket
4969851	Rod Bearing Set (Std.)	8761946	Manifold Gasket
4969855	Rod Bearing Set (.25mm)	8762619	Gasket O/H Kit
4969857	Main Bearing Set (Std.)	4942146	PCV Valve
4969859	Main Bearing Set (.25mm)		
4969860	Main Bearing Set (.50mm)		
4969861	Main Bearing Set (.75mm)		
4969862	Main Bearing Set (1.00mm)		
4942198	Camshaft Bearing Set		
8761934	Exhaust Valve		
8761933	Intake Valve		
8761929	Camshaft		
8761931	Timing Chain		

MITSUBISHI 4G33

Part#	Description	Part#	Description
MD009581	Piston & Pin Set (Std.)	MD000508	Valve Stem Seal
MD009591	Piston & Pin Set (.50mm)	MD000500	Valve, Spring
MD009592	Piston & Pin Set (.75mm)	91201-17600	Timing Belt
MD009593	Piston & Pin Set (1.00mm)	MD113561	Timing Belt
MD009625	Piston Ring Set (Std.)	MD008965	Tensioner
MD009627	Piston Ring Set (.50mm)	MD008940	Camshaft Gear
MD009628	Piston Ring Set (.75mm)	MD972658	Overhaul Gasket Kit
MD009629	Piston Ring Set (1.00mm)	MD009519	Head Gasket
MD071298	Rod Bearing Set (Std.)	MD007383	Valve Cover Gasket
MD040705	Rod Bearing Set (.25mm)		
MD040706	Rod Bearing Set (.50mm)		
MD040707	Rod Bearing Set (.75mm)		
MD091399	Main Bearing Set (Std.)		
MD040683	Main Bearing Set (.25mm)		
MD040684	Main Bearing Set (.50mm)		
MD040685	Main Bearing Set (.75mm)		
MD075927	Exhaust Valve		
MD075924	Intake Valve		
MD000471	Exhaust Guide		

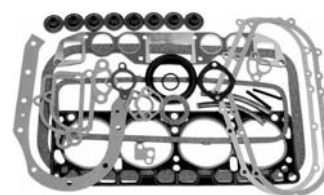


MITSUBISHI 4G52

Part#	Description	Part#	Description
MD021058	Piston & Pin Set (Std.)	MD070691	Intake Valve
MD021002	Piston & Pin Set (.50mm)	MD020561	Exhaust Guide
MD021003	Piston & Pin Set (.75mm)	MD020551	Intake Guide
MD021004	Piston & Pin Set (1.00mm)	MD000508	Valve Stem Seal
MD021070	Piston Ring Set (Std.)	MM130062	Valve Spring
MD021072	Piston Ring Set (.50mm)	91201-10900	Timing Belt
MD021073	Piston Ring Set (.75mm)	MD154048	Timing Chain
MD021074	Piston Ring Set (1.00mm)	MD021232	Chain Tensioner Guide
MD026430	Rod Bearing Set (Std.)	MD021233	Tensioner, Sleeve
MD026431	Rod Bearing Set (.25mm)	MD020843	Crankshaft Gear
MD026432	Rod Bearing Set (.50mm)	MD021246	Camshaft Gear
MD026433	Rod Bearing Set (.75mm)	MD023150	Camshaft
MD026815	Main Bearing Set (Std.)	MD023383	Fuel Pump
MD026816	Main Bearing Set (.25mm)	MD972660	Overhaul Gasket Kit
MD026817	Main Bearing Set (.50mm)	MD304512	Head Gasket
MD026818	Main Bearing Set (.75mm)	MD020715	Valve Cover Gasket
MD020583	Exhaust Valve	MD304076	Intake Manifold Gasket
MD070693	Exhaust Valve	MD020232	Oil Pan Gasket
MD020580	Intake Valve		

MITSUBISHI 4G54

Part#	Description	Part#	Description
MD026921	Piston & Pin Set (Std.)	MD020561	Exhaust Guide
MD026932	Piston & Pin Set (.50mm)	MD000508	Valve Stem Seal
MD026933	Piston & Pin Set (.75mm)	MM130062	Valve Spring
MD026934	Piston & Pin Set (1.00mm)	91401-16800	Timing Belt
MD107813	Piston Ring Set (Std.)	91601-11300	Timing Belt
MD026962	Piston Ring Set (.50mm)	MD154048	Timing Chain
MD026963	Piston Ring Set (.75mm)	MD021232	Chain Tensioner Guide.
MD026964	Piston Ring Set (1.00mm)	MD021233	Tensioner, Sleeve
MD026430	Rod Bearing Set (Std.)	MD020843	Crankshaft Gear
MD026431	Rod Bearing Set (.25mm)	MD021246	Camshaft Gear
MD026432	Rod Bearing Set (.50mm)	MD023150	Camshaft
MD026433	Rod Bearing Set (.75mm)	MD023383	Fuel Pump
MD026815	Main Bearing Set (Std.)	MD972661	Overhaul Gasket Kit
MD026816	Main Bearing Set (.25mm)	MD974643	Overhaul Gasket Kit
MD026817	Main Bearing Set (.50mm)	MD115646	Head Gasket
MD026818	Main Bearing Set (.75mm)	MD024682	Valve Cover Gasket
MD024519	Exhaust Valve	MD149522	Exhaust Manifold Gasket
MD083851	Exhaust Valve	MD304075	Intake Manifold Gasket
MD024518	Intake Valve	MD020232	Oil Pan Gasket
MD083848	Intake Valve		
MD020551	Intake Guide		



MITSUBISHI 4G63

Part#	Description	Part#	Description
MD188289	Piston & Pin Set (Std.)	MD070691	Intake Valve
MD194364	Piston & Pin Set (.25mm)	MD020551	Intake Guide (.05)
MD194365	Piston & Pin Set (.50mm)	MD020552	Intake Guide (.25)
MD194366	Piston & Pin Set (.75mm)	MD020553	Intake Guide (.50)
MD194367	Piston & Pin Set (1.00mm)	MD020561	Exhaust Guide (.05)
MD195850	Piston Ring Set (Std.)	MD020562	Exhaust Guide (.25)
MD195851	Piston Ring Set (.25mm)	MD020563	Exhaust Guide (.50)
MD195852	Piston Ring Set (.50mm)	MM130062	Valve Spring
MD195853	Piston Ring Set (.75mm)	MD197467	Valve Stem Seal, Intake
MD195854	Piston Ring Set (1.00mm)	MD070695	Valve Stem Seal, Exhaust
MD195936	Rod Bearing Set (Std.)	MD197137	Timing Belt
MD195937	Rod Bearing Set (.25mm)	MD129033	Tensioner
MD195938	Rod Bearing Set (.50mm)	MD372536	Oil Seal, Camshaft
MD195939	Rod Bearing Set (.75mm)	MD359158	Oil Seal, Crankshaft
MD195940	Rod Bearing Set (1.00mm)	MD972030	Overhaul Gasket Kit
MD195906	Main Bearing Set (Std.)	MD972979	Overhaul Gasket Kit
MD195907	Main Bearing Set (.25mm)	MD971325	Upper Overhaul Gasket Kit
MD195908	Main Bearing Set (.50mm)	MD189978	Head Gasket
MD195909	Main Bearing Set (.75mm)	MD130494	Valve Cover Gasket
MD195910	Main Bearing Set (1.00mm)	MD183532	Intake Gasket
MD024719	PCV Valve	MD190962	Exhaust Gasket
MD070693	Exhaust Valve		

MITSUBISHI 4G64

Part#	Description	Part#	Description
MD188998	Piston & Pin Set (Std.)	MD085253	Intake Valve
MD194656	Piston & Pin Set (.25mm)	MD020551	Intake Guide (.05)
MD194657	Piston & Pin Set (.50mm)	MD020552	Intake Guide (.25)
MD194658	Piston & Pin Set (.75mm)	MD020553	Intake Guide (.50)
MD194659	Piston & Pin Set (1.00mm)	MD020561	Exhaust Guide (.05)
MD195872	Piston Ring Set (Std.)	MD020562	Exhaust Guide (.25)
MD195873	Piston Ring Set (.25mm)	MD020563	Exhaust Guide (.50)
MD195874	Piston Ring Set (.50mm)	MM130062	Valve Spring
MD195875	Piston Ring Set (.75mm)	MD197467	Valve Stem Seal, Intake
MD195876	Piston Ring Set (1.00mm)	MD070695	Valve Stem Seal, Exhaust
MD195936	Rod Bearing Set (Std.)	MD154243	Timing Belt
MD195937	Rod Bearing Set (.25mm)	MD129033	Tensioner
MD195938	Rod Bearing Set (.50mm)	MD372536	Oil Seal, Camshaft
MD195939	Rod Bearing Set (.75mm)	MD359158	Oil Seal, Crankshaft
MD195940	Rod Bearing Set (1.00mm)	MD972032	Overhaul Gasket Kit
MD195906	Main Bearing Set (Std.)	MD971634	Upper Overhaul Gasket Kit
MD195907	Main Bearing Set (.25mm)	MD190393	Head Gasket
MD195908	Main Bearing Set (.50mm)	MD130494	Valve Cover Gasket
MD195909	Main Bearing Set (.75mm)	MD188996	Intake Gasket
MD195910	Main Bearing Set (1.00mm)	MD190962	Exhaust Gasket
MD085254	Exhaust Valve	MD024719	PCV Valve

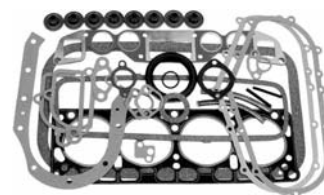


mitsubishi k21

Part#	Description	Part#	Description
91H20-00670	Piston & Pin (Std.)	91H20-01340	Tensioner
91H20-00730	Piston & Pin (.50mm)	91H20-01350	Intake Valve
91H20-00730-75	Piston & Pin (.75mm)	91H20-01360	Exhaust Valve
91H20-00740	Piston & Pin (1.00mm)	91H20-01510	Lifters
91H20-00830	Ring Set (Std.)	91H20-06430	Gasket Set
91H20-00860	Ring Set (.50mm)	91H20-06440	Upper Overhaul Gasket Kit
91H20-00870	Ring Set (.75mm)	91H20-00360	Head Gasket Gas
91H20-00880	Ring Set (1.00mm)	91H20-00370	Head Gasket LPG
91H20-00940	Rod Brg Set (Std.)	91H20-06510	Valve Cover Gasket
91H20-00950	Rod Brg Set (.25mm)	91H20-01740	Mainifold Gasket
91H20-00960	Rod Brg Set (.50 mm)	91H20-01370	Valve Stem Seals
91H20-00970	Rod Brg Set (.75 mm)	91H20-01330	Timing Chain
91H20-00980	Rod Brg Set (1.00 mm)	91H20-01851	Oil Pump
91H20-05020	Main Brg Set (Std.)	91H20-01240	Camshaft
91H20-05040	Main Brg Set (.25mm)		
91H20-05050	Main Brg Set (.50mm)		
91H20-05060	Main Brg Set (.75mm)		
91H20-05070	Main Brg Set (1.00mm)		
91H20-00070	Cam Bearing Set (Std.)		

mitsubishi k25

Part#	Description	Part#	Description
91H20-00750	Piston & Pin (Std.)	91H20-01340	Tensioner
91H20-00810	Piston & Pin (.50mm)	91H20-01350	Intake Valve
91H20-00810-75	Piston & Pin (.75mm)	91H20-01360	Exhaust Valve
91H20-00820	Piston & Pin (1.00mm)	91H20-01510	Lifters
91H20-00830	Ring Set (Std.)	91H20-06430	Gasket Set
91H20-00860	Ring Set (.50mm)	91H20-06440	Upper Overhaul Gasket Kit
91H20-00870	Ring Set (.75mm)	91H20-00360	Head Gasket Gas
91H20-00880	Ring Set (1.00mm)	91H20-00370	Head Gasket LPG
91H20-00940	Rod Brg Set (Std.)	91H20-06510	Valve Cover Gasket
91H20-00950	Rod Brg Set (.25mm)	91H20-01740	Mainifold Gasket
91H20-00960	Rod Brg Set (.50 mm)	91H20-01370	Valve Stem Seals
91H20-00970	Rod Brg Set (.75 mm)	91H20-01330	Timing Chain
91H20-00980	Rod Brg Set (1.00 mm)	91H20-01851	Oil Pump
91H20-05020	Main Brg Set (Std.)	91H20-01240	Camshaft
91H20-05040	Main Brg Set (.25mm)		
91H20-05050	Main Brg Set (.50mm)		
91H20-05060	Main Brg Set (.75mm)		
91H20-05070	Main Brg Set (1.00mm)		
91H20-00070	Cam Bearing Set (Std.)		



NISSAN H20

Part#	Description	Part#	Description
12010-R9001	Piston & Pin Set (Std.)	13201-F1800	Intake Valve
12010-R9004	Piston & Pin Set (.50mm)	13207-66712	Valve Seal
12010-R9005	Piston & Pin Set (.75mm)	13028-73600	Timing Chain
12010-R9006	Piston & Pin Set (1.00mm)	13021-73601	Crankshaft Gear
12033-R9000	Ring Set (Std.)	13024-78201	Camshaft Gear
12035-R9000	Ring Set (.25mm)	13070-32200	Tensioner
12036-R9000	Ring Set (.50mm)	11044-L1100	Head Gasket
12037-R9000	Ring Set (.75mm)	13270-E3400	Valve Cover Gasket
12038-R9000	Ring Set (1.00mm)	14035-00H00	Manifold Gasket
12111-P5112	Rod Bearing Set (Std.)	A0101-00H24	Overhaul Gasket Kit
12117-P5112	Rod Bearing Set (.25mm)	A0101-00H2H	Overhaul Gasket Kit
12118-P5112	Rod Bearing Set (.50mm)	A0101-L113E	Overhaul Gasket Kit
12119-P5112	Rod Bearing Set (.75mm)	15010-GQ70A	Oil Pump
12207-78400	Main Bearing Set (Std.)	13042-L1401	Timing Cover Seal
12209-78400	Main Bearing Set (.25mm)	12351-L1100	Sprocket, P.T.O.
12210-E0702	Main Bearing Set (.50mm)	12351-L1102	Sprocket, P.T.O.
13002-71204	Camshaft Bearing Set (Std.)	12353-L1101	Sprocket, P.T.O.
12030-32200	Pin Bushing	12352-L1101	Chain, P.T.O.
13202-P5101	Exhaust Valve		

NISSAN H20 II

Part#	Description	Part#	Description
12010-50K00	Piston & Pin (Std)	13002-71204	Camshaft Bearing Set
12010-50K70	Piston & Pin (.50mm)	13202-50K02	Exhaust Valve
12010-50K75	Piston & Pin (.75mm)	13201-50K00	Intake Valve
12010-50K71	Piston & Pin (1.00mm)	13207-D0111	Valve Stem Seal
12010-50K72	Piston & Pin (1.50mm)	13001-50K00	Camshaft
12033-50K00	Ring Set (Std.)	13028-50K00	Timing Chain
12036-50K00	Ring Set (.50mm)	13070-50K00	Tensioner
12037-50K00	Ring Set (.75mm)	13231-H1001	Lifters
12038-50K00	Ring Set (1.00mm)	11044-50K00	Head Gasket
12040-50K00	Ring Set (1.50mm)	13270-E3400	Valve Cover Gasket
12111-D2800	Rod Bearing Set (Std.)	14035-50K00	Manifold Gasket
12117-D2800	Rod Bearing Set (.25mm)	15010-GQ70A	Oil Pump
12118-D2800	Rod Bearing Set (.50mm)	12279-2B500	Oil Seal, Rear
12119-D2800	Rod Bearing Set (.75mm)	12279-5L310	Oil Seal, Rear
12207-50K00	Main Bearing Set (Std.)	12279-T7202	Oil Seal, Rear
12209-50K00	Main Bearing Set (.25mm)	13042-A8601	Timing Cover Seal
12210-50K00	Main Bearing Set (.50mm)	10101-50K0J	Gasket O/H Kit
12211-50K00	Main Bearing Set (.75mm)		
12212-50K00	Main Bearing Set (1.00mm)		

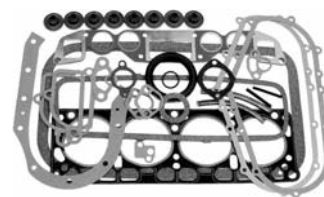


NISSAN H20 II K-SERIES

Part#	Description	Part#	Description
12010-50K00	Piston & Pin (Std)	13002-71204	Camshaft Bearing Set
12010-50K70	Piston & Pin (.50mm)	13202-P5101	Exhaust Valve
12010-50K75	Piston & Pin (.75mm)	13201-F1800	Intake Valve
12010-50K71	Piston & Pin (1.00mm)	13207-66712	Valve Stem Seal
12010-50K72	Piston & Pin (1.50mm)	13028-73600	Timing Chain
12033-50K00	Ring Set (Std.)	13021-73601	Crankshaft Gear
12036-50K00	Ring Set (.50mm)	13024-78201	Camshaft Gear
12037-50K00	Ring Set (.75mm)	13070-50K00	Tensioner
12038-50K00	Ring Set (1.00mm)	11044-K8700	Head Gasket
12040-50K00	Ring Set (1.50mm)	13270-E3400	Valve Cover Gasket
12111-D2800	Rod Bearing Set (Std.)	14035-50K00	Manifold Gasket
12117-D2800	Rod Bearing Set (.25mm)	15010-GQ70A	Oil Pump
12118-D2800	Rod Bearing Set (.50mm)	12279-2B500	Oil Seal, Rear
12119-D2800	Rod Bearing Set (.75mm)	12279-5L310	Oil Seal, Rear
12207-50K00	Main Bearing Set (Std.)	12279-T7202	Oil Seal, Rear
12209-50K00	Main Bearing Set (.25mm)	13042-L1401	Timing Cover Seal
12210-50K00	Main Bearing Set (.50mm)	10101-50K00	Gasket O/H Kit
12211-50K00	Main Bearing Set (.75mm)		
12212-50K00	Main Bearing Set (1.00mm)		

NISSAN H25

Part#	Description	Part#	Description
12010-60K00	Piston & Pin (Std)	12212-50K00	Main Bearing Set (1.00mm)
12010-60K25	Piston & Pin (.25mm)	13002-71204	Cam Bearing Set
12010-60K70	Piston & Pin (.50mm)	13202-50K02	Exhaust Valve
12010-60K75	Piston & Pin (.75mm)	13201-50K00	Intake Valve
12010-60K71	Piston & Pin (1.00mm)	13207-D0111	Valve Stem Seal
12033-60K00	Ring Set (Std)	13001-50K00	Camshaft
12034-60K00	Ring Set (.25mm)	13028-50K00	Timing Chain
12035-60K00	Ring Set (.50mm)	13070-50K00	Tensioner
12038-60K00	Ring Set (.75mm)	13231-H1001	Lifters
12036-60K00	Ring Set (1.00mm)	11044-60K00	Head Gasket
12111-85G00	Rod Bearing Set (Std)	13270-E3400	Valve Cover Gasket
12117-85G00	Rod Bearing Set (.25mm)	14035-50K00	Manifold Gasket
12118-85G00	Rod Bearing Set (.50mm)	15010-GQ70A	Oil Pump
12119-85G00	Rod Bearing Set (.75mm)	12279-2B500	Oil Seal, Rear
12120-85G00	Rod Bearing Set (1.00mm)	12279-5L310	Oil Seal, Rear
12207-50K00	Main Bearing Set (Std.)	12279-T7202	Oil Seal, Rear
12209-50K00	Main Bearing Set (.25mm)	13042-A8601	Timing Cover Seal
12210-50K00	Main Bearing Set (.50mm)	10101-60K25	Gasket O/H Kit
12211-50K00	Main Bearing Set (.75mm)		



NISSAN K21

Part#	Description	Part#	Description
12010-GS00A	Piston & Pin (Std.)	13070-50K00	Tensioner
12010-GS07A	Piston & Pin (.50mm)	13201-FY500	Intake Valve
12010-FU470-75	Piston & Pin (.75mm)	13202-FU400	Exhaust Valve
12010-GS07B	Piston & Pin (1.00mm)	13231-H1001	Lifters
12033-AE003	Ring Set (Std.)	10101-FY52K	Gasket Set
12036-GS00A	Ring Set (.50mm)	11042-FY52K	Upper Overhaul Gasket Kit
12037-4E110	Ring Set (.75mm)	11044-FU400	Head Gasket Gas
12038-GS00B	Ring Set (1.00mm)	11044-FU460	Head Gasket LPG
12111-FY500	Rod Bearing Set (Std.)	13270-FY50A	Valve Cover Gasket
12117-FY500	Rod Bearing Set (.25mm)	14035-FY500	Mainifold Gasket
12118-FY500	Rod Bearing Set (.50 mm)	13207-D0111	Valve Stem Seals
12119-FY500	Rod Bearing Set (.75 mm)	13028-FU400	Timing Chain
12120-FY500	Rod Bearing Set (1.00 mm)	15010-GQ70A	Oil Pump
12247-50K00	Main Bearing Set (Std.)	13001-50K00	Camshaft
12249-50K00	Main Bearing Set (.25mm)		
12250-50K00	Main Bearing Set (.50mm)		
12251-50K00	Main Bearing Set (.75mm)		
12252-50K00	Main Bearing Set (1.00mm)		
13002-71204	Cam Bearing Set (Std.)		

NISSAN K25

Part#	Description	Part#	Description
12010-GS10A	Piston & Pin (Std.)	13070-50K00	Tensioner
12010-GS17A	Piston & Pin (.50mm)	13201-FY500	Intake Valve
12010-FU570-75	Piston & Pin (.75mm)	13202-FU400	Exhaust Valve
12010-GS17B	Piston & Pin (1.00mm)	13231-H1001	Lifters
12033-AE003	Ring Set (Std.)	10101-FY52K	Gasket Set
12036-GS00A	Ring Set (.50mm)	11042-FY52K	Upper Overhaul Gasket Kit
12037-4E110	Ring Set (.75mm)	11044-FU400	Head Gasket Gas
12038-GS00B	Ring Set (1.00mm)	11044-FU460	Head Gasket LPG
12111-FY500	Rod Brg Set (Std.)	13270-FY50A	Valve Cover Gasket
12117-FY500	Rod Brg Set (.25mm)	14035-FY500	Mainifold Gasket
12118-FY500	Rod Brg Set (.50 mm)	13207-D0111	Valve Stem Seals
12119-FY500	Rod Brg Set (.75 mm)	13028-FU400	Timing Chain
12120-FY500	Rod Brg Set (1.00 mm)	15010-GQ70A	Oil Pump
12247-50K00	Main Brg Set (Std.)	13001-50K00	Camshaft
12249-50K00	Main Brg Set (.25mm)		
12250-50K00	Main Brg Set (.50mm)		
12251-50K00	Main Brg Set (.75mm)		
12252-50K00	Main Brg Set (1.00mm)		
13002-71204	Cam Bearing Set (Std.)		

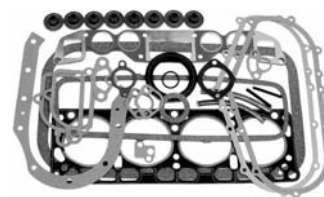


TCM H20

Part#	Description	Part#	Description
N-12010-R9001	Piston & Pin Set (Std.)	N-13207-66712	Valve Seal
N-12010-R9004	Piston & Pin Set (.50mm)	N-13028-73600	Timing Chain
N-12010-R9005	Piston & Pin Set (.75mm)	N-13021-73601	Crankshaft Gear
N-12010-R9006	Piston & Pin Set (1.00mm)	N-13024-78201	Camshaft Gear
N-12033-R9000	Ring Set (Std.)	N-13070-32200	Tensioner
N-12035-R9000	Ring Set (.25mm)	N-11044-L1100	Head Gasket
N-12036-R9000	Ring Set (.50mm)	N-13270-E3400	Valve Cover Gasket
N-12037-R9000	Ring Set (.75mm)	14035-00H00	Manifold Gasket
N-12038-R9000	Ring Set (1.00mm)	20801-05096	Overhaul Gasket Kit
20801-07711	Rod Bearing Set (Std.)	N-15010-GQ70A	Oil Pump
20801-07721	Rod Bearing Set (.25mm)	N-13042-L1401	Timing Cover Seal
20801-07731	Rod Bearing Set (.50mm)	N-12351-L1100	Sprocket, P.T.O.
20801-07221	Main Bearing Set (Std.)	N-12351-L1102	Sprocket, P.T.O.
20801-07231	Main Bearing Set (.25mm)	12353-L1101	Sprocket, P.T.O.
20801-07241	Main Bearing Set (.50mm)	N-12352-L1101	Chain, P.T.O.
20801-08341	Camshaft Bearing Set (Std.)		
N-12030-32200	Pin Bushing		
N-13202-P5101	Exhaust Valve		
N-13201-F1800	Intake Valve		

TCM 4Y

Part#	Description	Part#	Description
212T1-09171	Piston & Pin (Std)	212T1-05671	Exhaust Valve
212T1-09171-25	Piston & Pin (.25mm)	212T1-05661	Intake Valve
212T1-09171-50	Piston & Pin (.50mm)	212T1-05081	Exhaust Guide
212T1-09171-75	Piston & Pin (.75mm)	212T1-05061	Intake Guide
212T1-09171-1.00	Piston & Pin (1.00mm)	212T1-08461	Valve Stem Seal
212T1-09151	Piston Ring Set (Std)	212T1-08421	Valve Spring
212T1-09151-25	Piston Ring Set (.25mm)	212T1-05561	Timing Chain
212T1-09151-50	Piston Ring Set (.50mm)	212T1-05571	Hydraulic Pump Chain
212T1-09151-75	Piston Ring Set (.75mm)	212T1-05621	Tensioner
212T1-09151-1.00	Piston Ring Set (1.00mm)	212T1-05631	Damper, Tensioner
212T1-05451	Rod Bearing Set (Std)	212T1-05781	Oil Pump
212T1-05461	Rod Bearing Set (.25mm)	212T1-05591	Crankshaft Gear
212T1-05471	Rod Bearing Set (.50mm)	212T1-05601	Camshaft Gear
212T1-05481	Rod Bearing Set (.75mm)	212T1-05051	Head Gasket
212T1-05291	Mast Bearing Set (Std)	212T1-05181	Valve Cover Gasket
212T1-05301	Main Bearing Set (.25mm)	212T1-06051	Manifold Gasket
212T1-05311	Main Bearing Set (.50mm)	212T1-05001	Overhaul Gasket Kit
212T1-05321	Main Bearing Set (.75mm)	212T1-09141	P.C.V. Valve
212T1-05331	Camshaft Bearing Set		



TCM F2SM

Part#	Description	Part#	Description
T-F2Y4-11-SA0	Piston & Pin Set (Std.)	T-F801-23-090	Valve Guide
T-F2Y4-11-SB0	Piston & Pin Set (.50mm)	T-HE19-10-155	Valve Stem Seal, Intake
T-F2Y4-11-S75	Piston & Pin Set (.75mm)	T-4786-10-155	Valve Stem Seal, Exhaust
T-F2Y4-11-S100	Piston & Pin Set (1.00mm)	T-4781-12-115	Valve Spring, Inner
T-F8Y0-11-SC0	Piston Ring Set (Std.)	T-4781-12-125	Valve Spring, Outer
T-F8Y0-11-SDX	Piston Ring Set (.50mm)	T-4844-10-602	Rear Oil Seal
T-F8Y0-11-S75	Piston Ring Set (.75mm)	T-F2SM-14-100A	Oil Pump
T-F8Y0-11-S100	Piston Ring Set (1.00mm)	T-4781-13-350C	Fuel Pump
T-F801-23-105C	Rod Bearing Set (Std.)	T-8AZJ-10-271	Gasket O/H Kit
T-F801-23-106C	Rod Bearing Set (.25mm)	T-F8B5-10-271	Head Gasket
T-F801-23-107C	Rod Bearing Set (.50mm)	T-FE8N-10-235A	Valve Cover Gasket
T-F801-23-108C	Rod Bearing Set (.75mm)	T-FECS-13-111	Intake Manifold Gasket
T-FE1H-11-SG0	Main Bearing Set (Std.)	T-F801-13-460A	Exhaust Manifold Gasket
T-FE1H-11-SH0	Main Bearing Set (.25mm)	212T1-09141	PCV Valve
T-FE1H-11-SHX	Main Bearing Set (.50mm)		
T-FE1H-11-SHY	Main Bearing Set (.75mm)		
T-FE1H-11-S100	Main Bearing Set (1.00mm)		
T-4786-12-111	Intake Valve		
T-4786-12-121	Exhaust Valve		

TOYOTA 4Y

Part#	Description	Part#	Description
13101-76012-71	Piston & Pin (Std.)	80913-76038-71	Valve Stem Seal
13101-76033-71	Piston & Pin (Std.)	80501-76144-71	Valve Spring
13102-73030	Piston & Pin (.25mm)	13506-76004-71	Timing Chain
13103-76013-71	Piston & Pin (.50mm)	13506-78150-71	Timing Chain
13104-73030	Piston & Pin (.75mm)	13506-78001-71	Hydraulic Pump Chain
13105-73030	Piston & Pin (1.00mm)	13540-76002-71	Tensioner
13011-76028-71	Piston Ring Set (Std.)	13540-78150-71	Tensioner
13011-78153-71	Piston Ring Set (Std.)	13540-78151-71	Tensioner
13014-73020	Piston Ring Set (.25mm)	13561-76002-71	Guide, Tensioner
13013-76014-71	Piston Ring Set (.50mm)	13521-76003-71	Crankshaft Gear
13015-73020	Piston Ring Set (.75mm)	13521-78152-71	Crankshaft Gear
13017-73020	Piston Ring Set (1.00mm)	13522-76001-71	Camshaft Gear
13201-76011-71	Rod Bearing Set (Std.)	13523-78152-71	Camshaft Gear
13204-76011-71	Rod Bearing Set (.25mm)	15110-76001-71	Oil Pump
13204-76036-71	Rod Bearing Set (.25mm)	23100-78154-71	Fuel Pump
13206-71021	Rod Bearing Set (.50mm)	11115-78152-71	Head Gasket
13208-71021	Rod Bearing Set (.75mm)	11213-76010-71	Valve Cover Gasket
11701-76014-71	Main Bearing Set (Std.)	17172-23320-71	Manifold Gasket
11704-76014-71	Main Bearing Set (.25mm)	04112-20200-71	Upper Overhaul Gasket Kit
11704-76035-71	Main Bearing Set (.25mm)	04112-20201-71	Upper Overhaul Gasket Kit
11706-71020	Main Bearing Set (.50mm)	04112-20202-71	Upper Overhaul Gasket Kit
11708-71020	Main Bearing Set (.75mm)	04111-20230-71	Overhaul Gasket Kit
11802-76011-71	Camshaft Bearing Set	04111-20300-71	Overhaul Gasket Kit
13715-76014-71	Exhaust Valve	04111-20301-71	Overhaul Gasket Kit
13711-76012-71	Intake Valve	04111-20302-71	Overhaul Gasket Kit
11126-76003-71	Exhaust Guide	04111-20380-71	Overhaul Gasket Kit
11122-76007-71	Intake Guide	04111-78150-71	Overhaul Gasket Kit

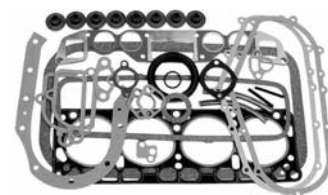


YALE D5

Part#	Description	Part#	Description
9012738-81	Piston & Pin Ass'y (Std)	9012748-07	Exhaust Valve
9012738-83	Piston & Pin Ass'y (.50mm)	9012748-31	Intake Valve
9012738-75	Piston & Pin Ass'y (.75mm)	9012748-01	Valve Stem Seal
9012738-100	Piston & Pin Ass'y (1.00mm)	9012748-05	Valve Spring
9012738-71	Piston Ring Set (Std)	9012708-17	Valve Guide
9012738-73	Piston Ring Set (.50mm)	1500940-00	Camshaft Gear
9012738-74	Piston Ring Set (.75mm)	9012738-06	Crankshaft Gear
9012738-77	Piston Ring Set (1.00mm)	9012738-07	Crankshaft Gear
9012738-11	Rod Bearing Set (Std)	9012748-23	Tensioner
9012738-12	Rod Bearing Set (.25mm)	9012748-24	Guide
9012738-13	Rod Bearing Set (.50mm)	9012748-25	Damper
9012738-14	Rod Bearing Set (.75mm)	9012708-30	Head Gasket
9012738-15	Rod Bearing Set (1.00mm)	9012708-31	Valve Cover Gasket
9012738-31	Main Bearing Set (Std)	9012768-04	Exhaust Manifold Gasket
9012738-32	Main Bearing Set (.25mm)	9012758-24	Intake Manifold Gasket
9012738-33	Main Bearing Set (.50mm)	9012878-01	Overhaul Gasket Set
9012738-34	Main Bearing Set (.75mm)		
9012738-35	Main Bearing Set (1.00mm)		
9012738-51	Thrust Washer Set		

YALE F2

Part#	Description	Part#	Description
9015768-41	Piston & Pin Set (Std.)	9012948-38	Intake Valve
9015768-43	Piston & Pin Set (.50mm)	9012908-38	Valve Guide
9015768-45	Piston & Pin Set (.75mm)	9012908-37	Valve Stem Seal, Exhaust
9015768-47	Piston & Pin Set (1.00mm)	9012748-01	Valve Stem Seal, Intake
5800242-13	Piston Ring Set (Std.)	9012948-32	Valve Spring, Inner
5800242-14	Piston Ring Set (.50mm)	9012948-33	Valve Spring, Outer
9012938-54	Piston Ring Set (.75mm)	9015778-16	Timing Belt
9012938-55	Piston Ring Set (1.00mm)	9015778-22	Tensioner Belt
9012938-11	Rod Bearing Set (Std.)	9008898-14	Rear Oil Seal
9012938-12	Rod Bearing Set (.25mm)	9012928-14	Rear Oil Seal
9012938-13	Rod Bearing Set (.50mm)	5800018-28	Oil Pump
9012938-14	Rod Bearing Set (.75mm)	9013008-19	Fuel Pump
9012938-28	Rod Bearing Set (1.00mm)	5042597-63	Overhaul Gasket Kit
9012938-61	Main Bearing Set (Std.)	5042597-64	Head Gasket
9012938-62	Main Bearing Set (.25mm)	9012908-11	Valve Cover Gasket
9012938-63	Main Bearing Set (.50mm)	9012958-20	Intake Manifold Gasket
9012938-64	Main Bearing Set (.75mm)	9012968-04	Exhaust Manifold Gasket
9012938-65	Main Bearing Set (1.00mm)	5800468-73	PCV Valve
9012948-39	Exhaust Valve	9012908-19	PCV Valve



YALE FE

Part#	Description	Part#	Description
9012938-41	Piston & Pin Set (Std.)	9012908-37	Valve Stem Seal, Exhaust
9012938-43	Piston & Pin Set (.50mm)	9012748-01	Valve Stem Seal, Intake
9012938-44	Piston & Pin Set (.75mm)	9012948-32	Valve Spring, Inner
9012938-45	Piston & Pin Set (1.00mm)	9012948-33	Valve Spring, Outer
5800242-13	Piston Ring Set (Std.)	9012948-29	Timing Belt
5800242-14	Piston Ring Set (.50mm)	9012948-30	Tensioner
9012938-54	Piston Ring Set (.75mm)	5800253-07	Rear Oil Seal
9012938-55	Piston Ring Set (1.00mm)	9012928-14	Rear Oil Seal
9012938-11	Rod Bearing Set (Std.)	5800018-27	Oil Pump
9012938-12	Rod Bearing Set (.25mm)	9013008-19	Fuel Pump
9012938-13	Rod Bearing Set (.50mm)	5059765-18	Overhaul Gasket Set
9012938-14	Rod Bearing Set (.75mm)	5800264-20	Overhaul Gasket Set
9012938-28	Rod Bearing Set (1.00mm)	5042597-62	Head Gasket
9012938-61	Main Bearing Set (Std.)	9012908-11	Valve Cover Gasket
9012938-62	Main Bearing Set (.25mm)	9012928-06	Oil Pan Gasket
9012938-63	Main Bearing Set (.50mm)	9012958-20	Intake Manifold Gasket
9012938-64	Main Bearing Set (.75mm)	9012968-04	Exhaust Manifold Gasket
9012938-65	Main Bearing Set (1.00mm)	9012908-19	PCV Valve
9012948-39	Exhaust Valve		
9012948-38	Intake Valve		
9012908-38	Valve Guide		

YALE VA

Part#	Description	Part#	Description
9005228-05	Liner	9005258-42	Camshaft
9005248-03	Piston Assembly	9005258-20	Lifters
9005248-39	Piston Ring Set	5800524-98	Head Gasket
9005248-43	Rod Bearing Set (Std.)	9002808-22	Valve Cover Gasket
9005248-44	Rod Bearing Set (.25mm)	9005218-51	Manifold Gasket
9005248-45	Rod Bearing Set (.50mm)	9002918-01	Oil Pump
9005248-46	Rod Bearing Set (.75mm)	5185040-05	Overhaul Gasket Set
9005248-1.00	Rod Bearing Set (1.00mm)	9000062-76	PCV Valve
9002838-27	Main Bearing Set (Std.)		
9002838-28	Main Bearing Set (.25mm)		
9002838-29	Main Bearing Set (.50mm)		
9002838-30	Main Bearing Set (.75mm)		
9002838-1.00	Main Bearing Set (1.00mm)		
9002838-07	Wrist Pin Bushing		
9005258-26	Exhaust Valve		
9005258-21	Intake Valve		
9002808-06	Valve Stem Seal		
9002848-53	Valve Spring		
9002808-02	Valve Guide		



MASTER CYLINDERS

150

BARRETT



19121-003

CLARK



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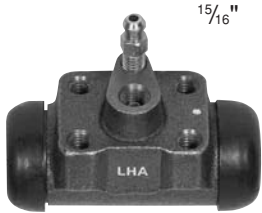

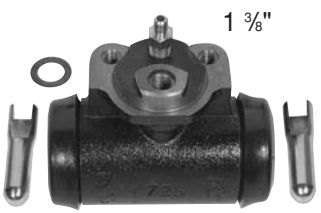
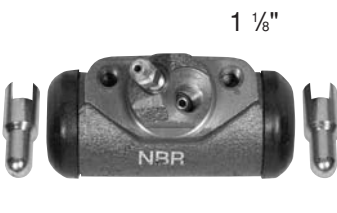

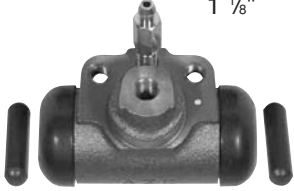
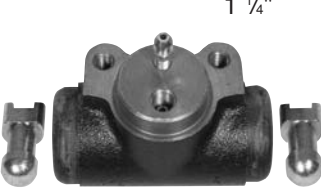
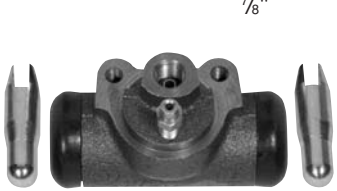

















9185654-00

YALE


9194054-00

WHEEL CYLINDERS

156

 <p>1 5/16"</p> <p>Type A</p>	 <p>1 1/4"</p> <p>Type B</p>	 <p>1 3/8"</p> <p>Type C</p>	 <p>1 1/8"</p> <p>Type D</p>
 <p>1 1/8"</p> <p>Type E</p>	 <p>1 1/8"</p> <p>Type F</p>	 <p>1 1/4"</p> <p>Type G</p>	 <p>7/8"</p> <p>Type H</p>
 <p>1 1/4"</p> <p>Type I</p>	 <p>1 1/8"</p> <p>Type J</p>	 <p>1 1/8"</p> <p>Type K</p>	 <p>1 1/8"</p> <p>Type L</p>
 <p>7/8"</p> <p>Type M</p>	 <p>7/8"</p> <p>Type N</p>	 <p>7/8"</p> <p>Type O</p>	 <p>1 1/8"</p> <p>Type P</p>
 <p>1"</p> <p>Type Q</p>	 <p>1 1/8"</p> <p>Type R</p>	 <p>1 1/4"</p> <p>Type S</p>	 <p>1 1/4"</p> <p>Type T</p>
 <p>1 1/4"</p> <p>Type U</p>	 <p>1 1/8"</p> <p>Type V</p>	 <p>1 1/8"</p> <p>Type W</p>	 <p>SLAVE CYLINDER</p> <p>Type X</p>

BARRETT

Part#	Type
19120-003 (Slave Cylinder)	X

CLARK

Part#	Type
2809974	F
887561	C
909092	P
910980	Q
924294	R
932561	J

CROWN

Part#	Type
77637 (Slave Cylinder)	X

DOOSAN

Part#	Type
A251738	H
K909229	L

HYSTER

Part#	Type
1308670	A
1334648	J
1337622	C
1358218	B
1367762	M
1367763	N
1375025	B
1463244	S
1463341	G
1565290	V
200141	C
2026775	O
2027398	J
3045257	U
3045258	U
3057507	S
3057758	S

KALMAR AC

Part#	Type
4920078	J
4940945	J
4940951	W
4941515	H
4942599	S
4944669	W
4949375	J
8627019	B
8627026	B
8765279	S
8765293	G
8765304	W

KOMATSU

Part#	Type
325-32-21400	H
34B-30-14311	J
34B-30-15311	J

KOMATSU

Part#	Type
34C-30-11201	I
34C-30-11701	I
3EA-30-25111	H
3EB-30-11310	J
3EB-30-41440	V
3EC-30-11120	S
3EC-30-12120	W
3EC-30-21120	G
3EC-30-31110	G
3EC-30-33110	S
3EC-30-39110	W
3ED-30-31320	T
3ED-30-41320	T

MITSI / CAT

Part#	Type
1200816	L
1201024	L
215467	J
345527	B
91246-01800	H
91446-00900	J
91846-00800	J
91946-00600	G
91B46-00312	H
91E46-00112	V
929192	B
93446-01300	W
971250	I
972966	P
973623	D
973624	E

NISSAN

Part#	Type
44100-00H00	H
44100-11H01	H
44100-22H00	J
44100-53H01	G
44100-FJ500	H
44100-FK000	V
44100-L0702	I
44100-L1400	H
44100-L9000	U
44100-L9002	U
44101-L0702	I
44101-L9000	U
44101-L9002	U

RAYMOND

Part#	Type
114-900-026 (Slave Cylinder)	X

TCM

Part#	Type
22673-72031	D
22673-72041	E
234A3-72001	K
55593-52461	D
55593-52471	E

TCM

Part#	Type
C-52-11029-52000	H
C-52-11216-12004	I
C-52-11216-22004	I
C-52-11246-52000	S
C-52-11246-52001	J
C-52-11254-52003	T
C-52-11254-52004	T

TOYOTA































Part#	Type
47403-30550-71	U
47403-31040-71	T
47404-30550-71	U
47410-10480-71	H
47410-11630-71	H
47410-12000-71	H
47410-20540-71	D
47410-21580-71	J
47410-21800-71	J
47410-22000-71	D
47410-22500-71	J
47410-23420-71	K
47410-32060-71	W
47410-32500-71	J
47410-U2130-71	J
47420-20540-71	E
47420-22000-71	E
47430-11630-71	H
47510-30414-71	I
47510-30510-71	I
47510-31961-71	I
47510-32650-71	I
47510-32980-71	U
47510-40832-71	U
47520-30412-71	I
47520-30510-71	I
47520-31961-71	I
47520-32650-71	I
47520-32980-71	U
47520-40832-71	U

YALE

Part#	Type
5059635-00	J
5135598-01	B
5200488-77	C
5800114-23	G
5800513-20	V
9000948-04	M
9000948-27	N
9004888-03	J
9014298-03	U
9014298-04	U
9021948-03	O
9086214-00	S
9086304-00	S

BRAKE SHOES & PADS

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Type 1BS-01	Type 1BS-02	Type 1BS-03	Type 1BS-04	Type 1BS-05	Type 1BS-06
					
Type 1BS-07	Type 1BS-08	Type 1BS-09	Type 1BS-10	Type 1BS-11	Type 1BS-12
					
Type 1BS-13	Type 1BS-14	Type 1BS-15	Type 1BS-16	Type 1BS-17	Type 1BS-18
					
Type 1BS-19	Type 1BS-20	Type 1BS-21	Type 1BS-22	Type 1BS-23	Type 1BS-24
					
Type 1BS-25	Type 1BS-26	Type 1BS-27	Type 1BP-01	Type FP-01	Type P-01



Type
2BS-01



Type
2BS-02



Type
2BS-03



Type
2BS-04



Type
2BS-05



Type
2BS-06



Type
2BS-07



Type
2BS-08



Type
2BS-09



Type
2BS-10



Type
2BS-11



Type
2BS-12



Type
4BS-01



Type
4BS-02



Type
4BS-03



Type
4BS-04



Type
4BS-05



Type
BS-774-SET=4

BARRETT

Part#	#Shoes	Type
28829-065	1	1BS-27

CLARK

Part#	#Shoes	Type
246250	4	4BS-02
2800017	4	4BS-01
2803761	4	4BS-04
8450010	4	4BS-04
888345	1	1BS-06
924036	4	4BS-01
932683	2	4BS-06
932684	2	4BS-06
998851	1	1BS-27

CROWN

Part#	#Shoes	Type
101451	1	1BS-27
87473	1	1BS-26
92440	1	1BS-27

DOOSAN

Part#	#Shoes	Type
A273363	1	1BS-13
A273364	1	1BS-13
A273365	1	1BS-13
D141112	1 Friction Plate	FP-01
D700251	1 Plate	P-01

HYSTER

Part#	#Shoes/Pads	Type
1332769	2	2BS-06
1334620	2	2BS-03
1334640	2	2BS-11
1358223	2	2BS-11
1363007	2	2BS-03
1383782	1	1BS-06
1463226	2	2BS-10
1463229	2	2BS-10
1515374	2	2BS-11
1539595	2	2BS-04
1539596	2	2BS-05
1565313	2	2BS-02
1565314	2	2BS-01
2026303	2	2BS-07
2026787	2	2BS-07
2047122	2	2BS-10
2047123	2	2BS-10

KALMAR AC

Part#	#Shoes/Pads	Type
4940527	1	1BS-13
4940532	1	1BS-13
4940535	1	1BS-13
4940946	1	1BS-22

HYSTER

Part#	#Shoes/Pads	Type
4940947	1	1BS-22
4943897	1 Brake Pad	1BP-01
8761124	2	2BS-10
8761125	2	2BS-04
8761127	2	2BS-05
8761128	2	2BS-10
8761527	1	1BS-23
8761528	1	1BS-23
8761529	1	1BS-23
8762610	4	4BS-06
8765280	1	1BS-24
8765281	1	1BS-24
8765282	1	1BS-24

KOMATSU

Part#	#Shoes/Pads	Type
32532-21500	1	2BS-09
32532-21600	1	1BS-13
3BA-30-31731	1 Brake Pad	1BP-01
3EA-30-11410	1	1BS-13
3EA-30-11420	1	1BS-13
3EA-30-11430	1	1BS-13
3EA-30-1144C	2	2BS-09
3EA-30-1145C	2	2BS-09
3EA-30-31150	1	1BS-13
3EA-30-31160	1	1BS-13
3EA-30-31170	1	1BS-13
3EB-30-23430	1	1BS-22
3EB-30-23440	1	1BS-22
3EB-30-23450	2	2BS-11
3EB-30-24430	1	1BS-22
3EB-30-24440	1	1BS-22
3EB-30-31150	1	1BS-23
3EB-30-31160	1	1BS-23
3EB-30-31170	1	1BS-23
3EB-30-3158C	2	4BS-06
3EB-30-3159C	2	4BS-06
3EB-30-41360	1	1BS-20
3EB-30-41370	1	1BS-21
3EB-30-41380	1	1BS-14
3EB-30-A31180	4	4BS-06
3EB-K3-0203C	2	2BS-02
3EB-K3-0204C	2	2BS-01
3EC-30-11601	2	2BS-10
3EC-30-11611	1	1BS-24
3EC-30-11621	1	1BS-24
3EC-30-1162LH	2	2BS-10
3EC-30-11721	1	1BS-24
3EC-30-1172RH	2	2BS-10
3EC-30-11810	1	1BS-24
3EC-30-11820	1	1BS-24
3EC-30-11830	2	2BS-10
3EC-30-11840	2	2BS-10
3EC-30-11920	1	1BS-24

KOMATSU

Part#	#Shoes/Pads	Type
3EC-30-2430LH	2	2BS-04
3EC-30-2540RH	2	2BS-05

MITSI / CAT

Part#	#Shoes/Pads	Type
534488	1	1BS-06
6R8020	1	1BS-07
91246-16800	1	1BS-13
91246-16900	1	1BS-13
91246-17100	1	1BS-13
91446-07200	1	1BS-16
91446-07300	1	1BS-04
91446-17100	1	1BS-23
91546-12500	1	1BS-23
91546-12600	1	1BS-23
91846-17200	1	1BS-24
91846-17300	1	1BS-24
91846-17400	1	1BS-24
91946-14700	1	1BS-01
91946-14800	1	1BS-02
91946-14900	1	1BS-15
91946-15100	1	1BS-03
91947-01500	1	1BS-01
91947-01600	1	1BS-02
91947-01700	1	1BS-15
91947-01800	1	1BS-03
91B46-10313	1	1BS-13
91B46-10314	1	1BS-13
91B46-10412	1	1BS-13
91E46-00113	1	1BS-20
91E46-00114	1	1BS-21
91E46-00212	1	1BS-14
97046-21800	1 Brake Pad	1BP-01

NISSAN

Part#	#Shoes/Pads	Type
44060-00H60	1	1BS-13
44060-11H03	1	1BS-13
44060-11H06	1	1BS-13
44060-22H60	1	1BS-23
44060-FJ500	1	1BS-13
44060-FK000	1	1BS-20
44060-L0105	1	1BS-13
44070-00H60	1	1BS-13
44070-00H70	1	1BS-13
44070-0K301	1	1BS-13
44070-0K311	1	1BS-13
44070-11H06	1	1BS-13
44070-11H16	1	1BS-13
44070-22H60	1	1BS-23
44070-22H70	1	1BS-23
44070-FJ500	1	1BS-13
44070-FJ510	1	1BS-13
44070-FK000	1	1BS-14

BRAKE SHOES & PADS

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NISSAN

Part#	#Shoes/Pads	Type
44070-FK010	1	1BS-21
44999-00H00	4	4BS-05
44999-11H00	4	4BS-05
44999-22H00	4	4BS-06
44999-L1100	4	4BS-03
44999-L1400	4	4BS-05

PRIME MOVER

Part#	#Shoes/Pads	Type
201868	1	1BS-27

RAYMOND

Part#	#Shoes/Pads	Type
400-040-13	1	1BS-27

TCM

Part#	#Shoes/Pads	Type
20803-71151	2	2BS-09
20803-71161	2	2BS-09
20803-71172	2	2BS-12
22433-79901	2	2BS-11
22673-72022	1	1BS-25
C51M001507405	1 Brake Pad	1BP-01
CK21105383011	2	2BS-09
CK21105383021	2	2BS-09
CK21122083000	2	2BS-11
CK21124283011	2	2BS-08
CK21124283021	2	2BS-08
CK21124683011	2	2BS-08
CK21124683021	2	2BS-08

TOYOTA

Part#	#Shoes/Pads	Type
47117-12240-71	1 Brake Pad	1BP-01
47401-33240-71	1	1BS-25
47403-12810-71	1	1BS-13
47403-13300-71	1	1BS-13
47403-16600-71	1	1BS-13
47403-23300-71	1	1BS-24
47403-26640-71	1	1BS-18
47403-32062-71	1	1BS-22
47404-12810-71	1	1BS-13
47404-13300-71	1	1BS-13
47404-16600-71	1	1BS-13
47404-23300-71	1	1BS-24
47404-26640-71	1	1BS-19
47404-32062-71	1	1BS-22
47405-12810-71	1	1BS-13
47405-13300-71	1	1BS-13
47405-16600-71	1	1BS-13
47405-22550-71	1	1BS-25
47405-23300-71	1	1BS-24
47405-23600-71	1	1BS-25
47405-26640-71	1	1BS-12

TOYOTA

Part#	#Shoes/Pads	Type
47405-30510-71	1	1BS-10
47405-33660-71	1	1BS-25
47406-30510-71	1	1BS-11
47407-30510-71	1	1BS-11
47408-30510-71	1	1BS-10
47410-30412-71	1	1BS-17
47420-30412-71	1	1BS-05
47430-30412-71	1	1BS-17
47440-30412-71	1	1BS-05
47450-32200-71	1	1BS-11
47450-32882-71	1	1BS-11
47450-32982-71	1	1BS-09
47460-32200-71	1	1BS-10
47460-32882-71	1	1BS-10
47460-32982-71	1	1BS-08
47470-32200-71	1	1BS-10
47470-32882-71	1	1BS-10
47470-32982-71	1	1BS-08
47480-32200-71	1	1BS-11
47480-32882-71	1	1BS-11
47480-32982-71	1	1BS-09
47503-33860-71	1	1BS-23
47504-22752-71	1	1BS-24
47504-33860-71	1	1BS-23
47505-13000-71	1	1BS-13
47505-22752-71	1	1BS-24
47505-33860-71	1	1BS-23
47506-13000-71	1	1BS-13
47506-22752-71	1	1BS-24
47510-U1130-71	2	2BS-09
47510-U2130-71	2	4BS-06
47512-33060-71	1	1BS-23
47513-33060-71	1	1BS-23
47514-33060-71	1	1BS-23
47520-U1130-71	2	2BS-09
47520-U2130-71	2	4BS-06

YALE

Part#	#Shoes/Pads	Type
1500132-07	2	2BS-03
5059595-61	2	2BS-03
5059635-91	2	2BS-11
5800010-86	1	1BS-06
5800112-03	2	2BS-10
5800112-06	2	2BS-10
5800326-88	2	2BS-11
5800413-65	2	2BS-04
5800413-66	2	2BS-05
5800513-32	2	2BS-02
5800513-33	2	2BS-01
5800598-24	1	1BS-22
5800598-25	1	1BS-22
9023928-51	2	2BS-10
9023928-61	2	2BS-10

YALE

Part#	#Shoes/Pads	Type
9182593-00	2	2BS-11
9271133-00	2	2BS-07
9291513-00	2	2BS-07
9301324-00	2	2BS-11

CLARK


Spring

932566
CLARK


Spring

932567
CLARK


Spring

932573
CLARK


Spring

932574
CLARK


Spring

932575
CLARK


Spring

932576
CLARK


Spring

932582
DOOSAN


Adjuster Cable

D480268
HYSTER


Spring Kit

1334638
HYSTER


Brake Hardware Kit

1334639
HYSTER


Brake Sheave

1334644
HYSTER


Adjuster Cable

1360792
HYSTER


Spring

1360793
HYSTER


Spring

1367774
HYSTER


Spring

1367862
HYSTER


Brake Hardware Kit

1367877
HYSTER


Brake Hardware Kit

1367878
HYSTER


Brake Hardware Kit

1375048
HYSTER


Brake Hardware Kit

1375049
HYSTER


Brake Adjuster Kit

1565309
HYSTER


Brake Adjuster Kit

1565310
HYSTER


Parking Brake Kit

1565311
HYSTER


Parking Brake Kit

1565312
HYSTER


Brake Shoe Hold Down Kit

1565315
HYSTER


Spring Kit

1565316

BRAKE SHOE HARDWARE

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HYSTER  Brake Shoe Hold Down Kit 2026114	HYSTER  Spring 2026782	HYSTER  Spring 2026783	HYSTER  Brake Shoe Hold Down Kit 2026786	HYSTER  Brake Hardware Kit 2027720
HYSTER  Brake Hardware Kit 2027721	HYSTER  Spring 2037331	HYSTER  Spring 2037332	HYSTER  Adjuster Cable 2037333	HYSTER  Spring 2037340
HYSTER  Brake Hardware Kit 2037377	HYSTER  Brake Hardware Kit 345948	HYSTER  Brake Hardware Kit 350379	KALMAR AC  Spring 4920622	KALMAR AC  Spring 4941622
KALMAR AC  Spring 8763193	KOMATSU  Adjuster Cable 300-32-31650	KOMATSU  Spring 300-32-31680	KOMATSU/KALMAR AC  Spring 300-32-31760 / 4941373	KOMATSU/KALMAR AC  Spring 34B-30-14320 / 4941613
KOMATSU/KALMAR AC  Spring 34B-30-14351 / 4942534	KOMATSU/KALMAR AC  Adjuster Cable 34B-30-14371 / 4941618	KOMATSU/KALMAR AC  Spring 34B-30-14380 / 4941619	KOMATSU/KALMAR AC  Spring 34B-30-14420 / 4906137	KOMATSU/KALMAR AC  Spring 38B-30-12160 / 8761534

KOMATSU/KALMAR AC


Adjuster Cable

3BB-30-12190 / 8761533
KOMATSU/KALMAR AC


Spring

3BB-30-12260 / 8761535
KOMATSU/KALMAR AC


Spring

3EA-30-11150 / 4940530
KOMATSU


Spring

3EA-30-11250
KOMATSU/KALMAR AC


Adjuster Cable

3EA-30-11330 / 4940537
KOMATSU/KALMAR AC


Spring

3EA-30-11340 / 4940538
KOMATSU/KALMAR AC


Spring

3EA-30-11360 / 4940539
KOMATSU/KALMAR AC


Spring

3EB-30-11140 / 4940940
KOMATSU/KALMAR AC


Spring

3EB-30-31320 / 4920659
KOMATSU/KALMAR AC


Adjuster Cable

3EC-30-11160 / 4942600
KOMATSU


Brake Sheave

3EC-30-11180
KOMATSU/KALMAR AC


Spring

3EC-30-11250 / 4942601
KOMATSU/KALMAR AC


Spring

3EC-30-11310 / 4942603
KOMATSU


Spring

3EC-30-11330
KOMATSU/KALMAR AC


Spring

3EC-30-11340 / 4942605
KOMATSU/KALMAR AC


Spring

3EC-30-11390 / 4942610
KOMATSU/KALMAR AC


Spring

3EC-30-31160 / 4942644
KOMATSU/KALMAR AC


Spring

3ED-30-31160 / 4942639
KOMATSU


Spring

3ED-30-31250
KOMATSU/KALMAR AC


Spring

3ED-30-31270 / 4942645
KOMATSU/KALMAR AC


Spring

3ED-30-31560 / 4942646
KOMATSU/KALMAR AC


Spring

3ED-30-31581 / 4942647
MITSI / CAT


Spring

64335-43800
MITSI / CAT


Spring

91246-03400
MITSI / CAT


Spring

91246-03600

BRAKE SHOE HARDWARE

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MITSI / CAT  Spring 91246-03700	MITSI / CAT  Adjuster Cable 91246-04400	MITSI / CAT  Spring 91246-04500	MITSI / CAT  Adjuster Cable 91446-02200	MITSI / CAT  Spring 91446-02500
MITSI / CAT  Spring 91446-03200	MITSI / CAT  Spring 91446-03400	MITSI / CAT  Spring 91446-03900	MITSI / CAT  Spring 91446-06200	MITSI / CAT  Spring 91446-06300
MITSI / CAT  Brake Sheave 91446-03800	MITSI / CAT  Adjuster Cable 91546-02300	MITSI / CAT  Spring 91846-02900	MITSI / CAT  Spring 91846-12500	MITSI / CAT  Spring 91846-14100
MITSI / CAT  Adjuster Cable 91846-21500	MITSI / CAT  Adjuster Cable 91B46-00315	MITSI / CAT  Spring 91E46-00117	MITSI / CAT  Spring 97546-01700	MITSI / CAT  Spring 97546-01800
NISSAN  Spring 44024-L0700	NISSAN  Brake Sheave 44025-22H00	NISSAN  Spring 44026-L0100	NISSAN  Spring 44039-00H00	NISSAN  Spring 44039-22H00

NISSAN



Spring

44070-L0100

NISSAN



Spring

44071-L0100

NISSAN



Spring

44078-L0100

NISSAN



Spring

44083-00H00

NISSAN



Spring

44090-22H00

NISSAN



Spring

44090-22H10

NISSAN



Spring

44090-L1400

NISSAN



Spring

44147-00H00

NISSAN



Spring

44147-11H04

NISSAN



Spring

44147-22H00

NISSAN



Adjuster Cable

44164-L0100

NISSAN



Adjuster Cable

44164-L1400

NISSAN



Brake Sheave

44193-L0700

NISSAN



Spring

44214-00H00

NISSAN



Spring

44214-00H10

NISSAN



Spring

44214-22H00

NISSAN



Spring

44214-22H01

NISSAN



Adjuster Cable

44215-00H00

NISSAN



Adjuster Cable

44215-11H01

NISSAN



Adjuster Cable

44215-11H04

NISSAN



Adjuster Cable

44215-22H00

TCM



Spring

22673-72261

TCM



Spring

22673-72391

TCM



Adjuster Cable

22723-79871

TCM








Spring

23653-72051

BRAKE SHOE HARDWARE

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<p>TCM</p>  <p>Spring 23653-72091</p>	<p>TCM</p>  <p>Spring 23653-72171</p>	<p>TCM</p>  <p>Spring C-52-11003-04010</p>	<p>TCM</p>  <p>Spring C-52-11004-05161</p>	<p>TCM</p>  <p>Adjuster Cable C-52-11029-55100</p>
<p>TCM</p>  <p>Spring C-52-11036-25160</p>	<p>TCM</p>  <p>Spring C-52-11036-54540</p>	<p>TCM</p>  <p>Spring C-52-11101-04111</p>	<p>TCM</p>  <p>Spring C-52-11105-54110</p>	<p>TCM</p>  <p>Adjuster Cable C-52-11213-05100</p>
<p>TCM</p>  <p>Spring C-52-11218-15161</p>	<p>TCM</p>  <p>Spring C-52-11218-25161</p>	<p>TCM</p>  <p>Spring C-52-11232-54540</p>	<p>TCM</p>  <p>Spring C-52-11232-55160</p>	<p>TCM</p>  <p>Spring C-52-11242-54010</p>
<p>TCM</p>  <p>Spring C-52-11242-54011</p>	<p>TCM</p>  <p>Spring C-52-11246-54071</p>	<p>TCM</p>  <p>Adjuster Cable C-52-11255-55090</p>	<p>TCM</p>  <p>Brake Shoe Hold Down Kit C-52-51302-53840</p>	<p>TOYOTA</p>  <p>Spring 47431-23420-71</p>
<p>TOYOTA</p>  <p>Spring 47433-23600-71</p>	<p>TOYOTA</p>  <p>Spring 47434-32500-71</p>	<p>TOYOTA</p>  <p>Spring 47435-20541-71</p>	<p>TOYOTA</p>  <p>Spring 47435-32060-71</p>	<p>TOYOTA</p>  <p>Spring 47435-U2130-71</p>

TOYOTA



Spring

47436-20541-71

TOYOTA



Spring

47436-21800-71

TOYOTA



Spring

47437-23600-71

TOYOTA



Spring

47438-32060-71

TOYOTA



Spring

47438-33060-71

TOYOTA



Spring

47438-U2130-71

TOYOTA



Spring

47438-U3130-71

TOYOTA



Spring

47442-22000-71

TOYOTA



Spring

47452-32500-71

TOYOTA



Spring

47452-U2130-71

TOYOTA



Spring

47462-21800-71

TOYOTA



Spring

47462-32500-71

TOYOTA



Spring

47462-U2130-71

TOYOTA



Spring

47463-21800-71

TOYOTA



Adjuster Cable

47470-33060-71

TOYOTA



Adjuster Cable

47470-U2130-71

TOYOTA



Spring

47472-11631-71

TOYOTA



Spring

47472-21801-71

TOYOTA



Spring

47472-U1130-71

TOYOTA



Spring

47472-U2130-71

TOYOTA



Brake Sheave

47484-30411-71

TOYOTA



Adjuster Cable

47501-11630-71

TOYOTA



Adjuster Cable

47501-21800-71

TOYOTA



Adjuster Cable

47504-U1130-71

TOYOTA



Spring

47511-22500-71

BRAKE SHOE HARDWARE

170

TOYOTA  Spring 47512-22500-71	TOYOTA  Spring 47512-U1130-71	TOYOTA  Spring 47513-U1130-71	TOYOTA  Adjuster Cable 47607-30201-71	TOYOTA  Adjuster Cable 47609-10110-71
TOYOTA  Spring 47635-10110-71	TOYOTA  Spring 47635-U1100-71	TOYOTA  Spring 47636-10110-71	TOYOTA  Spring 47636-U1100-71	TOYOTA  Spring 47647-10110-71
TOYOTA  Spring 47655-10110-71	TOYOTA  Spring 47672-30200-71	TOYOTA  Spring 47675-11630-71	TOYOTA  Spring 47675-U1130-71	TOYOTA  Spring 47676-22750-71
TOYOTA  Spring 64335-13300-71	YALE  Brake Adjuster Kit 5800513-28	YALE  Brake Adjuster Kit 5800513-29	YALE  Parking Brake Kit 5800513-30	YALE  Parking Brake Kit 5800513-31
YALE  Brake Shoe Hold Down Kit 5800513-34	YALE  Spring Kit 5800513-35	YALE  Spring 9000948-07	YALE  Spring 9000948-08	YALE  Spring 9004888-16

YALE  Adjuster Cable 9004888-38	YALE  Spring 9009558-13	YALE  Spring 9009558-14	YALE  Spring 9009558-27	YALE  Adjuster Cable 9009558-30
YALE  Brake Hardware Kit 9031984-01	YALE  Brake Hardware Kit 9031984-02	YALE  Brake Hardware Kit 9042583-00	YALE  Brake Hardware Kit 9069724-01	YALE  Brake Hardware Kit 9069724-02
YALE  Spring 9093773-00	YALE  Brake Hardware Kit 9127614-01	YALE  Brake Hardware Kit 9127614-02	YALE  Spring Kit 9135893-00	YALE  Brake Sheave 9191394-50
YALE  Brake Shoe Hold Down Kit 9266403-00	YALE  Brake Shoe Hold Down Kit 9291503-00			

CLARK		DOOSAN		HYSTER	
Part#	Description	Part#	Description	Part#	Description
932566	Spring	D480268	Adjuster Cable	1360792	Adjuster Cable
932567	Spring			1360793	Spring
932573	Spring			1367774	Spring
932574	Spring			1367862	Spring
932575	Spring	1334638	Spring Kit	1367877	Brake Hardware Kit
932576	Spring	1334639	Brake Hardware Kit	1367878	Brake Hardware Kit
932582	Spring	1334644	Brake Sheave	1375048	Brake Hardware Kit

BRAKE SHOE HARDWARE

172

HYSTER

Part#	Description
1375049	Brake Hardware Kit
1565309	Brake Adjuster Kit
1565310	Brake Adjuster Kit
1565311	Parking Brake Kit
1565312	Parking Brake Kit
1565315	Brake Shoe Hold Down Kit
1565316	Spring Kit
2026114	Brake Shoe Hold Down Kit
2026782	Spring
2026783	Spring
2026786	Brake Shoe Hold Down Kit
2027720	Brake Hardware Kit
2027721	Brake Hardware Kit
2037331	Spring
2037332	Spring
2037333	Adjuster Cable
2037340	Spring
2037377	Spring
345948	Spring
350379	Spring

KALMAR AC

Part#	Description
4906137	Spring
4920622	Spring
4920659	Spring
4940530	Spring
4940537	Adjuster Cable
4940538	Spring
4940539	Spring
4940940	Spring
4941373	Spring
4941613	Spring
4941618	Adjuster Cable
4941619	Spring
4941622	Spring
4942534	Spring
4942600	Adjuster Cable
4942601	Spring
4942603	Spring
4942605	Spring
4942610	Spring
4942639	Spring
4942644	Spring
4942645	Spring
4942646	Spring
4942647	Spring
8761533	Adjuster Cable
8761534	Spring

KALMAR AC

Part#	Description
8761535	Spring
8763193	Spring

KOMATSU

Part#	Description
300-32-31650	Adjuster Cable
300-32-31680	Spring
300-32-31760	Spring
34B-30-14320	Spring
34B-30-14351	Spring
34B-30-14371	Adjuster Cable
34B-30-14380	Spring
34B-30-14420	Spring
3BB-30-12160	Spring
3BB-30-12190	Adjuster Cable
3BB-30-12260	Spring
3EA-30-11150	Spring
3EA-30-11250	Spring
3EA-30-11330	Adjuster Cable
3EA-30-11340	Spring
3EA-30-11360	Spring
3EB-30-11140	Spring
3EB-30-31320	Spring
3EC-30-11160	Adjuster Cable
3EC-30-11180	Brake Sheave
3EC-30-11250	Spring
3EC-30-11310	Spring
3EC-30-11330	Spring
3EC-30-11340	Spring
3EC-30-11390	Spring
3EC-30-31160	Spring
3ED-30-31160	Spring
3ED-30-31250	Spring
3ED-30-31270	Spring
3ED-30-31560	Spring
3ED-30-31581	Spring

MITSI / CAT

Part#	Description
64335-43800	Spring
91246-03400	Spring
91246-03600	Spring
91246-03700	Spring
91246-04400	Adjuster Cable
91246-04500	Spring
91446-02200	Adjuster Cable
91446-02500	Spring
91446-03200	Spring
91446-03400	Spring

MITSI / CAT

Part#	Description
91446-03800	Brake Sheave
91446-03900	Spring
91446-06200	Spring
91446-06300	Spring
91546-02300	Adjuster Cable
91846-02900	Spring
91846-12500	Spring
91846-14100	Spring
91846-21500	Adjuster Cable
91B46-00315	Adjuster Cable
91E46-00117	Spring
97546-01700	Spring
97546-01800	Spring

NISSAN

Part#	Description
44024-L0700	Spring
44025-22H00	Brake Sheave
44026-L0100	Spring
44039-00H00	Spring
44039-22H00	Spring
44070-L0100	Spring
44071-L0100	Spring
44078-L0100	Spring
44083-00H00	Spring
44090-22H00	Spring
44090-22H10	Spring
44090-L1400	Spring
44147-00H00	Spring
44147-11H04	Spring
44147-22H00	Spring
44164-L0100	Adjuster Cable
44164-L1400	Adjuster Cable
44193-L0700	
44214-00H00	Spring
44214-00H10	Spring
44214-22H00	Spring
44214-22H01	Spring
44215-00H00	Adjuster Cable
44215-11H01	Adjuster Cable
44215-11H04	Adjuster Cable
44215-22H00	Adjuster Cable

TCM

Part#	Description
22673-72261	Spring
22673-72391	Spring
22723-79871	Adjuster Cable
23653-72051	Spring

TCM

Part#	Description
23653-72091	Spring
23653-72171	Spring
C-52-11003-04010	Spring
C-52-11004-05161	Spring
C-52-11029-55100	Adjuster Cable
C-52-11036-25160	Spring
C-52-11036-54540	Spring
C-52-11101-04111	Spring
C-52-11105-54110	Spring
C-52-11213-05100	Adjuster Cable
C-52-11218-15161	Spring
C-52-11218-25161	Spring
C-52-11232-54540	Spring
C-52-11232-55160	Spring
C-52-11242-54010	Spring
C-52-11242-54011	Spring
C-52-11246-54071	Spring
C-52-11255-55090	Adjuster Cable
C-52-51302-53840	Brake Shoe Hold Down Kit

TOYOTA

Part#	Description
47431-23420-71	Spring
47433-23600-71	Spring
47434-32500-71	Spring
47435-20541-71	Spring
47435-32060-71	Spring
47435-U2130-71	Spring
47436-20541-71	Spring
47436-21800-71	Spring
47437-23600-71	Spring
47438-32060-71	Spring
47438-33060-71	Spring
47438-U2130-71	Spring
47438-U3130-71	Spring
47442-22000-71	Spring
47452-32500-71	Spring
47452-U2130-71	Spring
47462-21800-71	Spring
47462-32500-71	Spring
47462-U2130-71	Spring
47463-21800-71	Spring
47470-33060-71	Adjuster Cable
47470-U2130-71	Adjuster Cable
47472-11631-71	Spring
47472-21801-71	Spring
47472-U1130-71	Spring
47472-U2130-71	Spring
47484-30411-71	Brake Sheave

TOYOTA

Part#	Description
47501-11630-71	Adjuster Cable
47501-21800-71	Adjuster Cable
47504-U1130-71	Adjuster Cable
47511-22500-71	Spring
47512-22500-71	Spring
47512-U1130-71	Spring
47513-U1130-71	Spring
47607-30201-71	Adjuster Cable
47609-10110-71	Adjuster Cable
47635-10110-71	Spring
47635-U1100-71	Spring
47636-10110-71	Spring
47636-U1100-71	Spring
47647-10110-71	Spring
47655-10110-71	Spring
47672-30200-71	Spring
47675-11630-71	Spring
47675-U1130-71	Spring
47676-22750-71	Spring
64335-13300-71	Spring

YALE

Part#	Description
5800513-28	Brake Adjuster Kit
5800513-29	Brake Adjuster Kit
5800513-30	Parking Brake Kit
5800513-31	Parking Brake Kit
5800513-34	Brake Shoe Hold Down Kit
5800513-35	Spring Kit
9000948-07	Spring
9000948-08	Spring
9004888-16	Spring
9004888-38	Adjuster Cable
9009558-13	Spring
9009558-14	Spring
9009558-27	Spring
9009558-30	Adjuster Cable
9031984-01	Brake Hardware Kit
9031984-02	Brake Hardware Kit
9042583-00	Brake Hardware Kit
9069724-01	Brake Hardware Kit
9069724-02	Brake Hardware Kit
9093773-00	Spring
9127614-01	Brake Hardware Kit
9127614-02	Brake Hardware Kit
9135893-00	Spring Kit
9191394-50	Brake Sheave
9266403-00	Brake Shoe Hold Down Kit
9291503-00	Brake Shoe Hold Down Kit

EMERGENCY BRAKE HANDLES

174

CLARK



1618257

CLARK



2391180

CLARK



316693

CLARK



707419

CLARK



904874 / 930295

DOOSAN



A232308

DOOSAN



D150877

DOOSAN



D700172

HYSTER



107344

HYSTER



119874

HYSTER



1322233

HYSTER



1335508

HYSTER



1376557

HYSTER



1383192

HYSTER



139066

HYSTER



1494931

HYSTER



1528799

HYSTER



1544466

HYSTER



1615863

HYSTER



2028855

EMERGENCY BRAKE HANDLES

175

HYSTER



2029517

HYSTER



344821

HYSTER



361959

HYSTER



363848

HYSTER



375990

HYSTER



3798240

HYSTER



388733

KOMATSU/KALMAR AC



3EA-39-35110 / 8762954

KOMATSU



3EB-38-15112

KOMATSU/KALMAR AC



3EB-38-25513 / 8760709

KOMATSU/KALMAR AC



3EB-39-31510 / 8761540

KOMATSU



3EB-39-31511

KOMATSU



3EB-39-41112

MITSI / CAT



1009522

MITSI / CAT



91253-20500

MITSI / CAT



91351-21500

MITSI / CAT



91351-21580

MITSI / CAT



91352-09200

MITSI / CAT



971507

MITSI / CAT



97E51-00020

EMERGENCY BRAKE HANDLES

176

NISSAN



36010-41H02

NISSAN



36010-50H01

NISSAN



36010-50K01

NISSAN



36010-50K06-F1

NISSAN



36010-L1106

NISSAN



36010-L6001

RAYMOND



870-830

TCM



214A5-50101

TOYOTA



04461-10011-71

TOYOTA



04461-20010-71

TOYOTA



04461-20011-71

TOYOTA



04461-20020-71

TOYOTA



04461-20021-71

TOYOTA



04461-20050-71

TOYOTA



04461-20080-71

TOYOTA



04461-30021-71

TOYOTA



04461-30040-71

TOYOTA



46101-30510-71

TOYOTA



46102-23470-71 / 46106-23320-71

TOYOTA



46110-22000-71

TOYOTA


46126-23600-71

TOYOTA


46210-10341-71

TOYOTA


46210-10921-71

UNIVERSAL


834538

YALE


5012045-00

YALE


5042282-56

YALE


5042392-93

YALE


5200453-94

YALE


5200468-05

YALE


5800133-52

YALE


5800235-97

YALE


5800431-44

YALE


5820034-87

YALE


9077136-01

YALE


9077146-01

YALE


9135543-00

YALE


9135773-00

YALE


9140156-00

YALE


9141416-00

YALE


9166116-00

BRAKE DRUMS

178

HYSTER



1302226

HYSTER



1335986

HYSTER



1343733

HYSTER



1351936

HYSTER



1354175

HYSTER



1354176

HYSTER



1375752

HYSTER



1392219

HYSTER



1392223

HYSTER



1401480

HYSTER



1479756

HYSTER



1479757

HYSTER



1485867

HYSTER



1511549

HYSTER



2021667

HYSTER



270829

KOMATSU / KALMAR AC


3EB-21-15120 / 4940904

KOMATSU / KALMAR AC


3EB-21-25130 / 4949324

KOMATSU / KALMAR AC


3EB-22-21130 / 4949334

KOMATSU / KALMAR AC


3EB-22-35610 / 8761260

KOMATSU / KALMAR AC


3EC-21-15121 / 4944590

KOMATSU / KALMAR AC


3EC-21-26140 / 4966148

MITSI/CAT


91233-40300

MITSI/CAT


91433-40301

MITSI/CAT


91E33-20011

MITSI/CAT


91G33-20021

MITSI/CAT


92034-20500

MITSI/CAT


93733-20600

NISSAN


43204-00H00-F1

NISSAN


43204-04H00-F1

NISSAN


43204-11H01-F1

NISSAN


43204-14H00-F1

BRAKE DRUMS

180

NISSAN



43204-6G410-F1

NISSAN



43204-91H00

NISSAN



43204-FK010

NISSAN



43204-FK310

NISSAN



43207-50H00

TCM



22673-02031

TCM



24843-04031

TOYOTA



42411-22750-71

TOYOTA



42411-U1100-71

TOYOTA



42411-U2100-71

TOYOTA



42411-U2130-71

TOYOTA



42411-U3130-71

TOYOTA



42431-23800-71

TOYOTA



42431-32650-71

TOYOTA



42431-32880-71

TOYOTA



42431-33820-71

TOYOTA


42431-U3361-71

TOYOTA


42432-23800-71

TOYOTA


42433-30552-71

YALE


5059655-59

YALE


5059715-77

YALE


5188006-41

YALE


5200358-19

YALE


5200454-89

YALE


5800172-91

YALE


5800172-92

YALE


5800197-09

YALE


5800197-10

YALE


5800244-45

YALE


5800408-95

YALE


9229723-00

EMERGENCY BRAKE CABLES

182

CLARK

Length: 35 1/2"



2392245

CLARK

Length: 56 1/2"



246112

CLARK

Length: 54 1/2"



246282

CLARK

Length: 46 1/4"



2797065

CLARK

Length: 71 7/8"



2797066

HYSTER

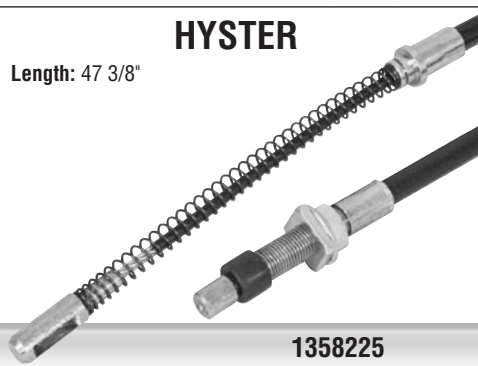
Length: 58 1/4"



1358224

HYSTER

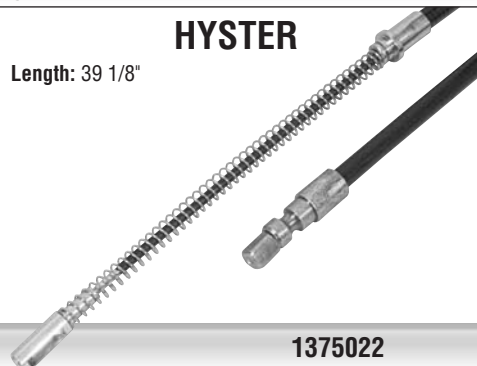
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1358225

HYSTER

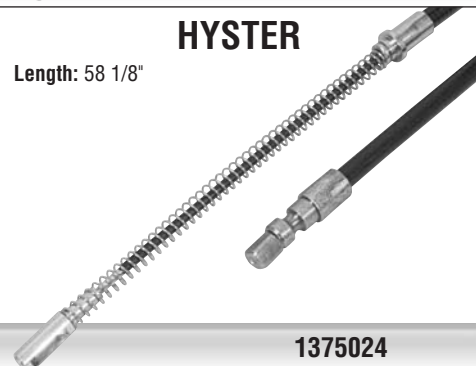
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1375022

HYSTER

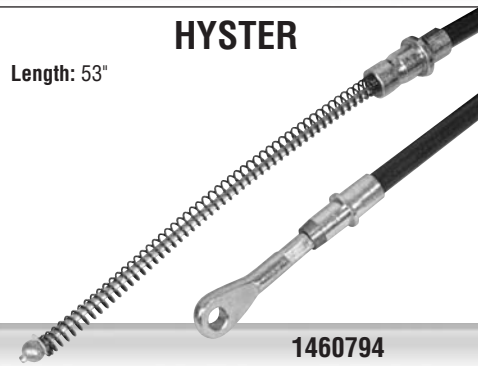
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1375024

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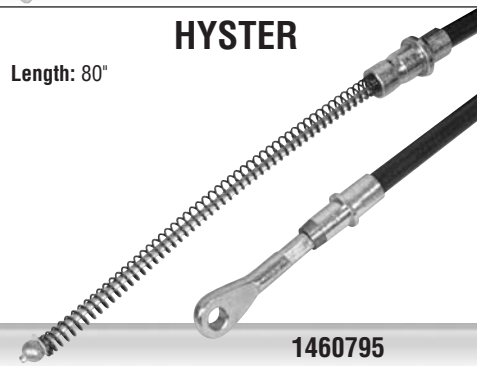
Length: 53"



1460794

HYSTER

Length: 80"



1460795

HYSTER

Length: 54"



1463247

HYSTER

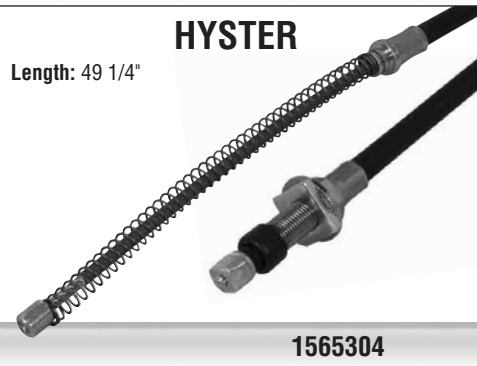
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1463248

HYSTER

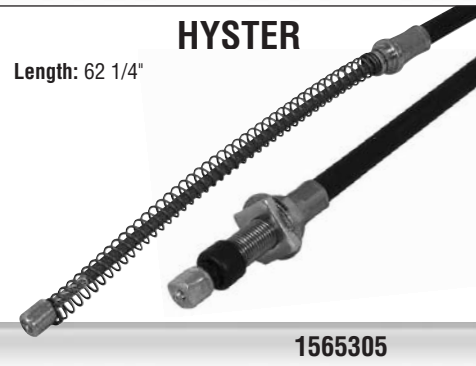
Length: 49 1/4"



1565304

HYSTER

Length: 62 1/4"



1565305

HYSTER

Length: 47 1/2"



1600493

HYSTER

Length: 76 1/2"



2023771

HYSTER

Length: 38 1/8"



2023772

HYSTER

Length: 86 1/4"



2074978

HYSTER

Length: 75 1/2"



2077245

HYSTER

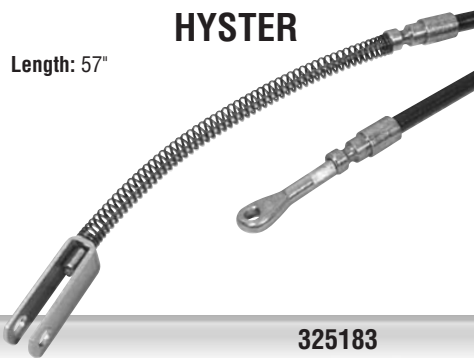
Length: 86 1/4"



2077246

HYSTER

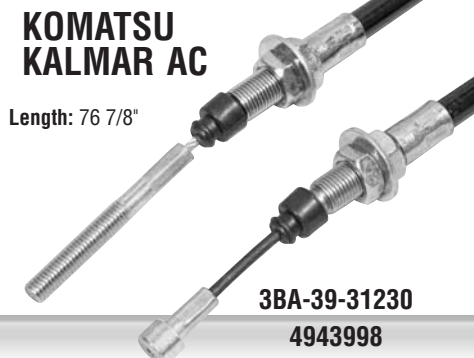
Length: 57"



325183

**KOMATSU
KALMAR AC**

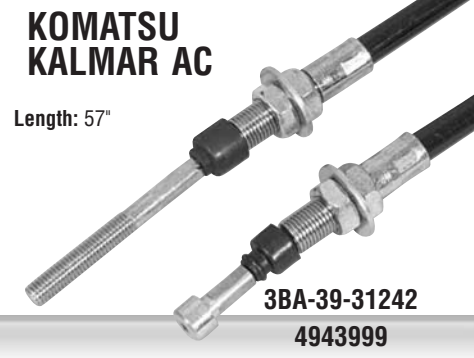
Length: 76 7/8"



3BA-39-31230
4943998

**KOMATSU
KALMAR AC**

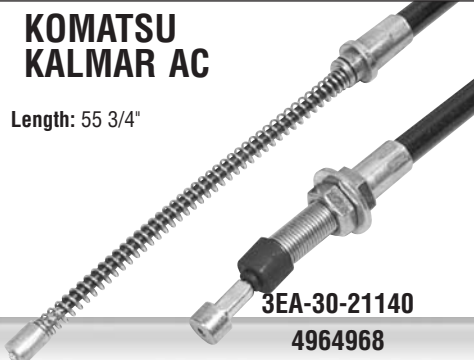
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3BA-39-31242
4943999

**KOMATSU
KALMAR AC**

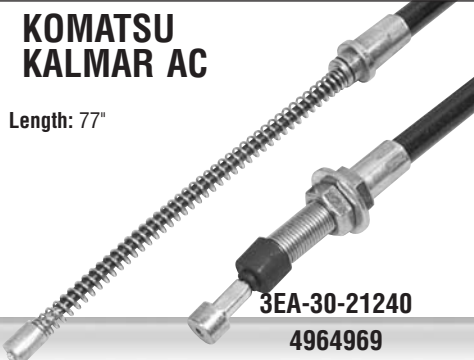
Length: 55 3/4"



3EA-30-21140
4964968

**KOMATSU
KALMAR AC**

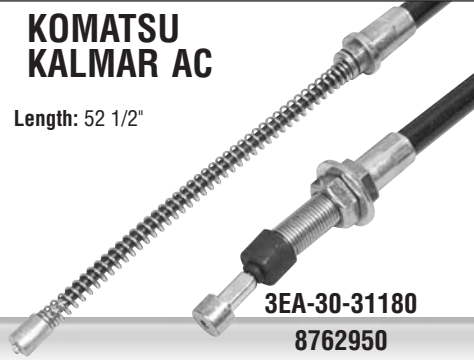
Length: 77"



3EA-30-21240
4964969

**KOMATSU
KALMAR AC**

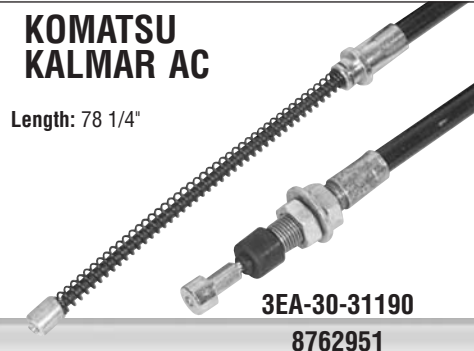
Length: 52 1/2"



3EA-30-31180
8762950

**KOMATSU
KALMAR AC**

Length: 78 1/4"



3EA-30-31190
8762951

**KOMATSU
KALMAR AC**

Length: 62 3/4"



3EB-30-11130
4940939

**KOMATSU
KALMAR AC**

Length: 62 3/4"



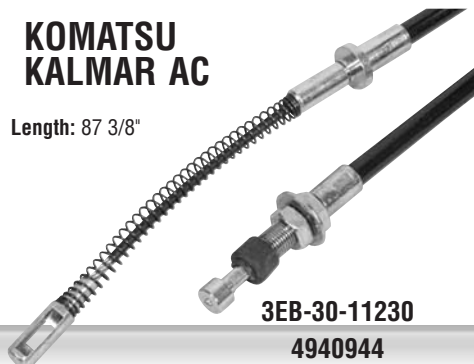
3EB-30-11131
4949371

EMERGENCY BRAKE CABLES

184

KOMATSU KALMAR AC

Length: 87 3/8"



3EB-30-11230
4940944

KOMATSU KALMAR AC

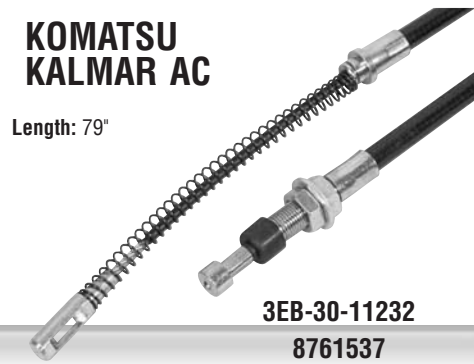
Length: 62 1/4"



3EB-30-11231
4949372

KOMATSU KALMAR AC

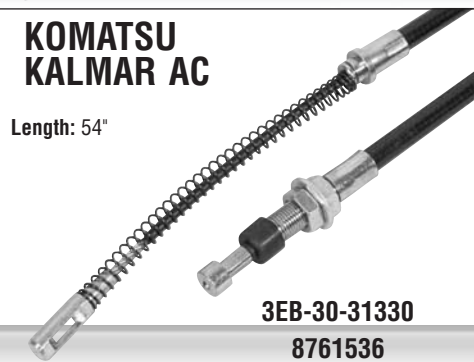
Length: 79"



3EB-30-11232
8761537

KOMATSU KALMAR AC

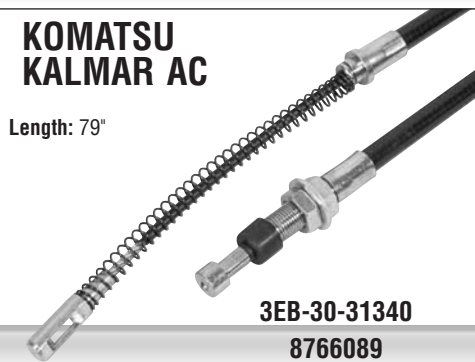
Length: 54"



3EB-30-31330
8761536

KOMATSU KALMAR AC

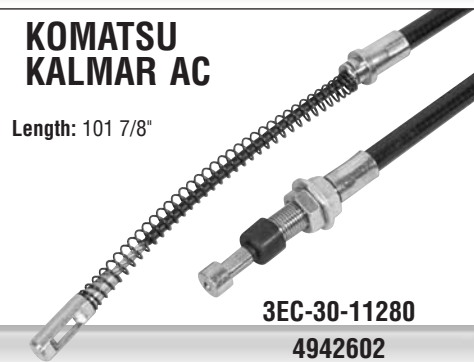
Length: 79"



3EB-30-31340
8766089

KOMATSU KALMAR AC

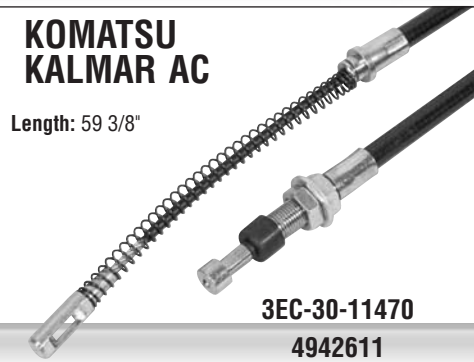
Length: 101 7/8"



3EC-30-11280
4942602

KOMATSU KALMAR AC

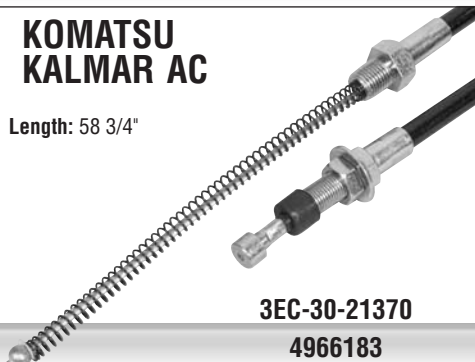
Length: 59 3/8"



3EC-30-11470
4942611

KOMATSU KALMAR AC

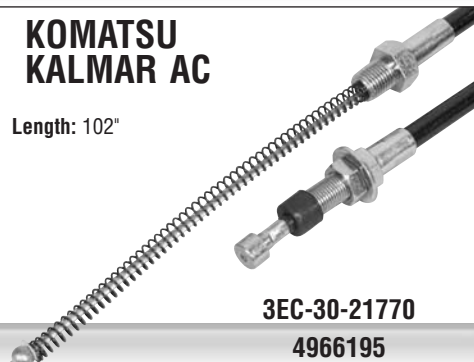
Length: 58 3/4"



3EC-30-21370
4966183

KOMATSU KALMAR AC

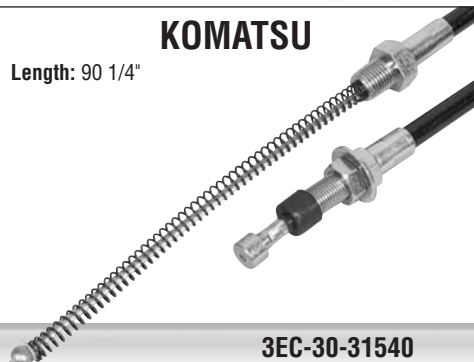
Length: 102"



3EC-30-21770
4966195

KOMATSU

Length: 90 1/4"



3EC-30-31540

MITSI/CAT

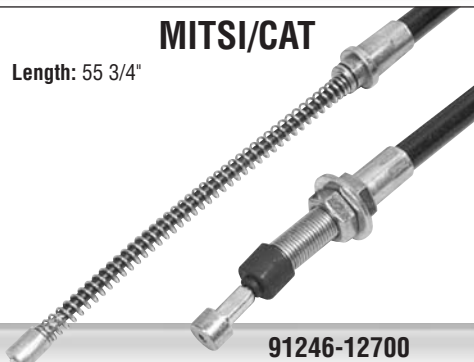
Length: 47 3/4"



91246-05900

MITSI/CAT

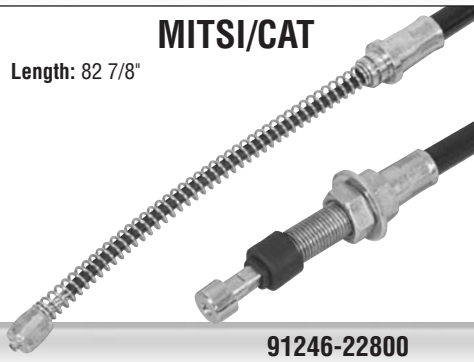
Length: 55 3/4"



91246-12700

MITSI/CAT

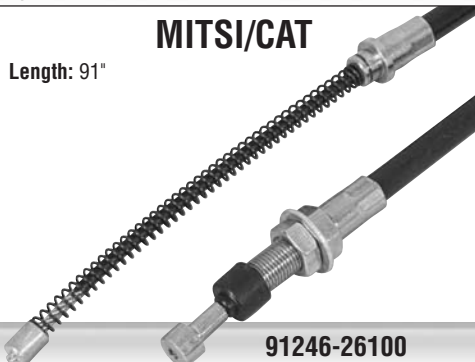
Length: 82 7/8"



91246-22800

MITSI/CAT

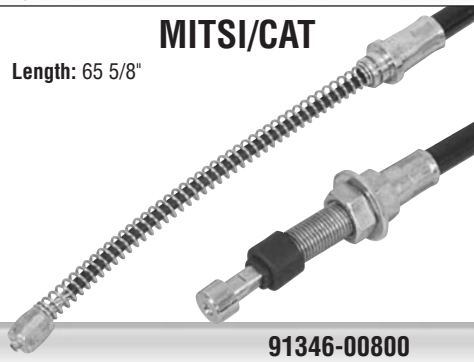
Length: 91"



91246-26100

MITSI/CAT

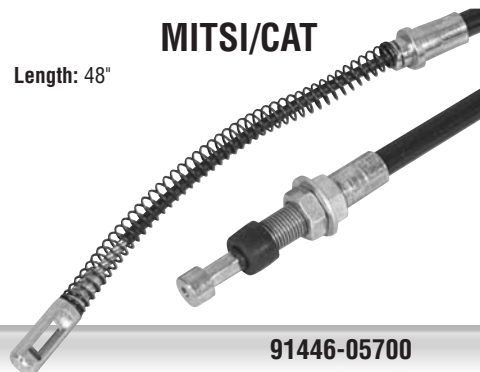
Length: 65 5/8"



91346-00800

MITSI/CAT

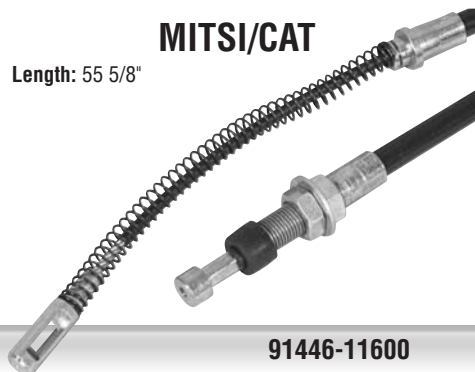
Length: 48"



91446-05700

MITSI/CAT

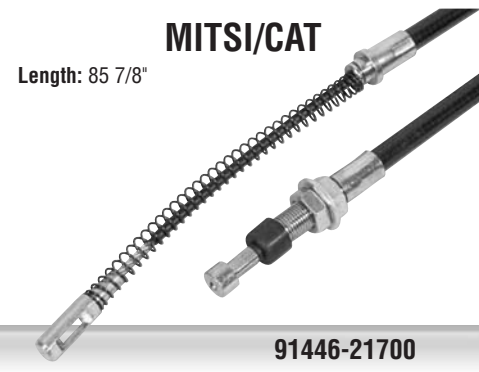
Length: 55 5/8"



91446-11600

MITSI/CAT

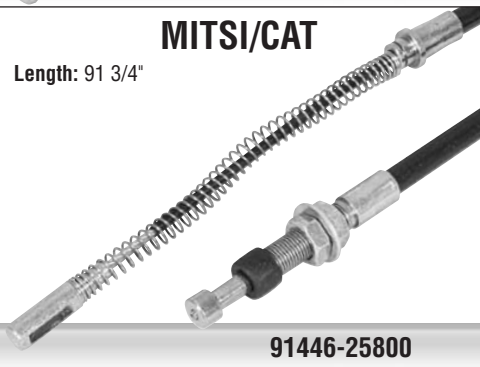
Length: 85 7/8"



91446-21700

MITSI/CAT

Length: 91 3/4"



91446-25800

MITSI/CAT

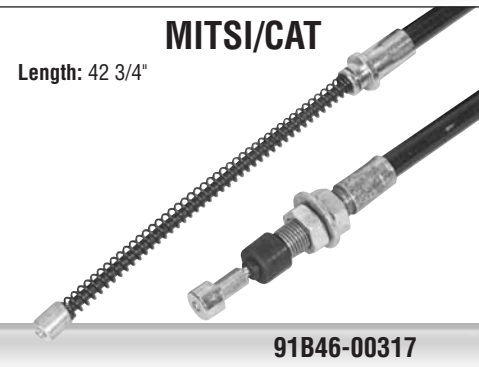
Length: 66"



91546-00600

MITSI/CAT

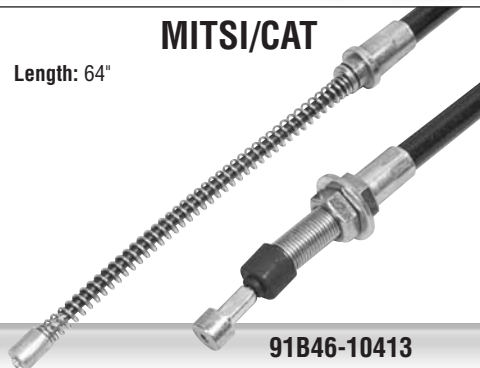
Length: 42 3/4"



91B46-00317

MITSI/CAT

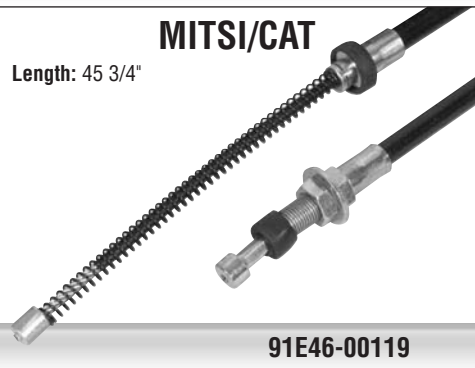
Length: 64"



91B46-10413

MITSI/CAT

Length: 45 3/4"



91E46-00119

MITSI/CAT

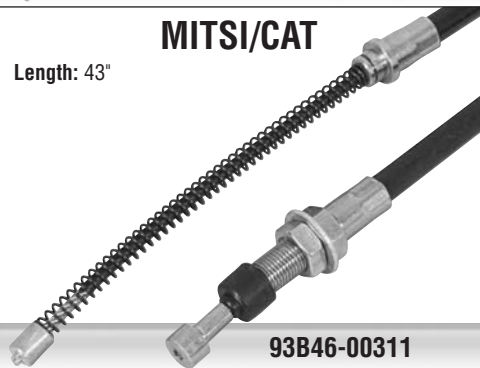
Length: 67 3/4"



91E46-00215

MITSI/CAT

Length: 43"



93B46-00311

MITSI/CAT

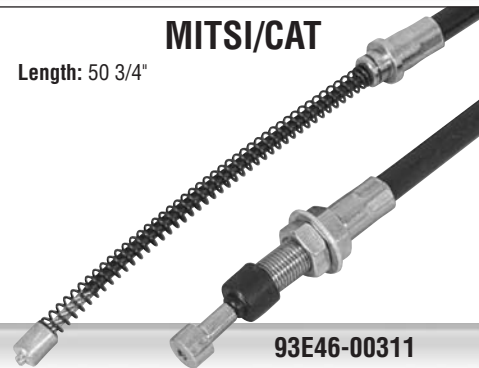
Length: 86"



93B46-00411

MITSI/CAT

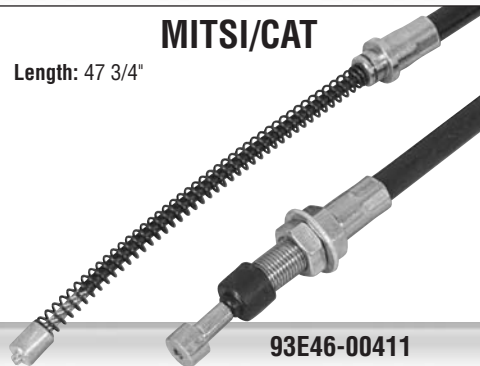
Length: 50 3/4"



93E46-00311

MITSI/CAT

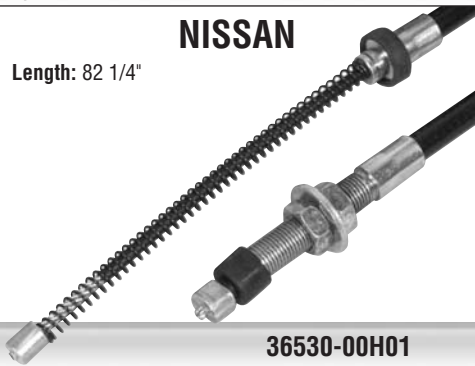
Length: 47 3/4"



93E46-00411

NISSAN

Length: 82 1/4"



36530-00H01

NISSAN

Length: 56"

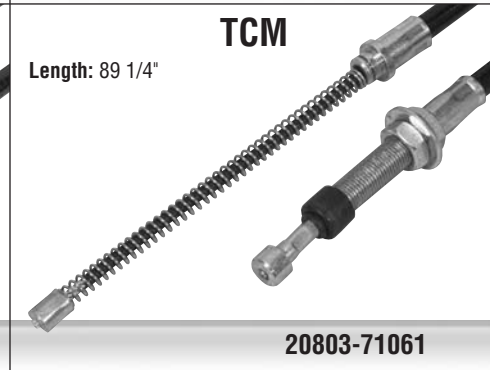
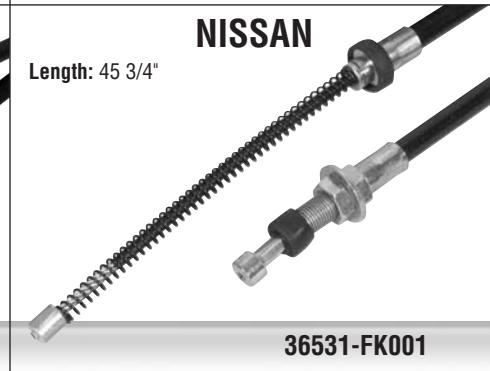
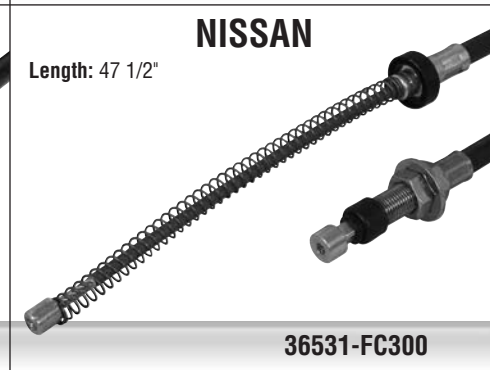


36530-1K200

EMERGENCY BRAKE CABLES

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<p>NISSAN</p> <p>Length: 82 7/8"</p>  <p>36530-22H01</p>	<p>NISSAN</p> <p>Length: 54 3/4"</p>  <p>36530-35H00</p>	<p>NISSAN</p> <p>Length: 54"</p>  <p>36530-41H00</p>
<p>NISSAN</p> <p>Length: 79 1/4"</p>  <p>36530-43K00</p>	<p>NISSAN</p> <p>Length: 80"</p>  <p>36530-51K00</p>	<p>NISSAN</p> <p>Length: 82 3/4"</p>  <p>36530-90K00</p>
<p>NISSAN</p> <p>Length: 83 7/8"</p>  <p>36530-93K00</p>	<p>NISSAN</p> <p>Length: 78 7/8"</p>  <p>36530-FC200</p>	<p>NISSAN</p> <p>Length: 82 1/2"</p>  <p>36530-FC300</p>
<p>NISSAN</p> <p>Length: 82 1/2"</p>  <p>36530-FD310</p>	<p>NISSAN</p> <p>Length: 64 1/4"</p>  <p>36530-FJ501</p>	<p>NISSAN</p> <p>Length: 67 3/4"</p>  <p>36530-FK001</p>
<p>NISSAN</p> <p>Length: 57 1/2"</p>  <p>36531-00H01</p>	<p>NISSAN</p> <p>Length: 47 1/4"</p>  <p>36531-1K000</p>	<p>NISSAN</p> <p>Length: 58 3/8"</p>  <p>36531-22H01</p>



EMERGENCY BRAKE CABLES

188

<p>TCM</p> <p>Length: 65 5/8"</p>  <p>20803-71071</p>	<p>TCM</p> <p>Length: 83 1/4"</p>  <p>20803-71121</p>	<p>TCM</p> <p>Length: 59"</p>  <p>20803-71131</p>
<p>TCM</p> <p>Length: 51"</p>  <p>20803-71211</p>	<p>TCM</p> <p>Length: 23 5/8"</p>  <p>23653-72181A</p>	<p>TCM</p> <p>Length: 23"</p>  <p>C-52-11031-54603</p>
<p>TCM</p> <p>Length: 20 5/8"</p>  <p>C-52-11246-54603</p>	<p>TOYOTA</p> <p>Length: 47 1/4"</p>  <p>47401-23420-71</p>	<p>TOYOTA</p> <p>Length: 66 3/8"</p>  <p>47402-23420-71</p>
<p>TOYOTA</p> <p>Length: 67 3/4"</p>  <p>47404-33240-71</p>	<p>TOYOTA</p> <p>Length: 45 3/4"</p>  <p>47405-33240-71</p>	<p>TOYOTA</p> <p>Length: 69 3/4"</p>  <p>47407-13000-71</p>
<p>TOYOTA</p> <p>Length: 69 1/2"</p>  <p>47407-23000-71</p>	<p>TOYOTA</p> <p>Length: 76 1/2"</p>  <p>47407-33660-71</p>	<p>TOYOTA</p> <p>Length: 69 5/8"</p>  <p>47407-U1100-71</p>

TOYOTA

Length: 69 1/2"



47407-U2100-71

TOYOTA

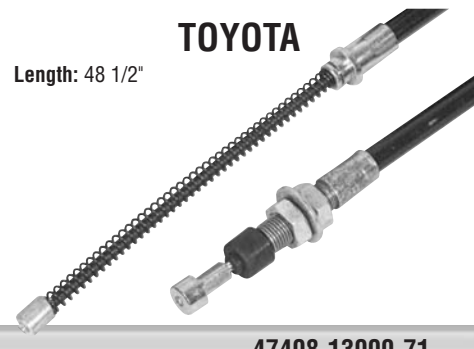
Length: 69 3/4"



47408-12620-71

TOYOTA

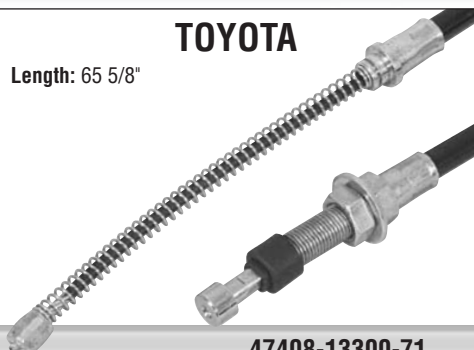
Length: 48 1/2"



47408-13000-71

TOYOTA

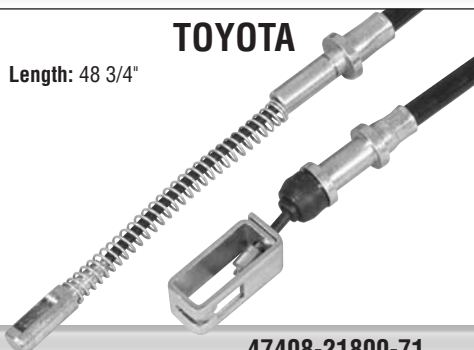
Length: 65 5/8"



47408-13300-71

TOYOTA

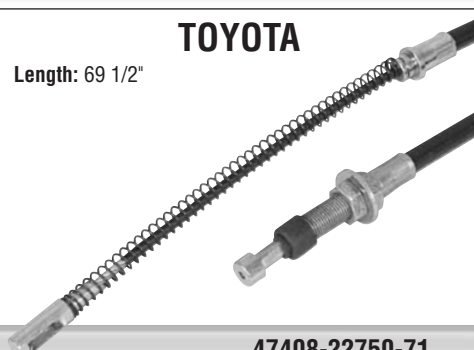
Length: 48 3/4"



47408-21800-71

TOYOTA

Length: 69 1/2"



47408-22750-71

TOYOTA

Length: 68 1/4"



47408-22810-71

TOYOTA

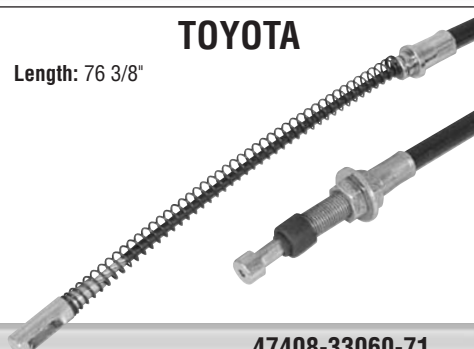
Length: 48 1/2"



47408-23000-71

TOYOTA

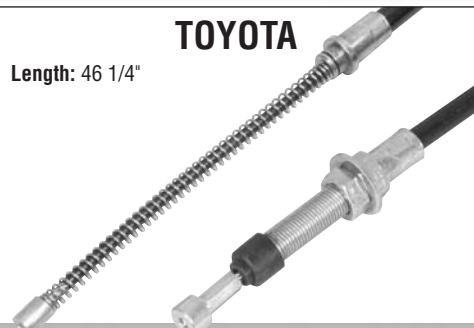
Length: 76 3/8"



47408-33060-71

TOYOTA

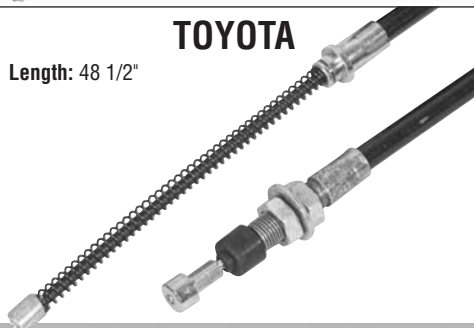
Length: 46 1/4"



47408-33660-71

TOYOTA

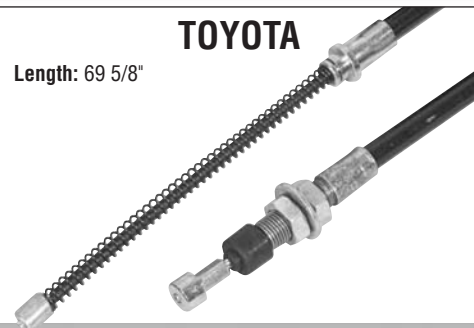
Length: 48 1/2"



47408-U1100-71

TOYOTA

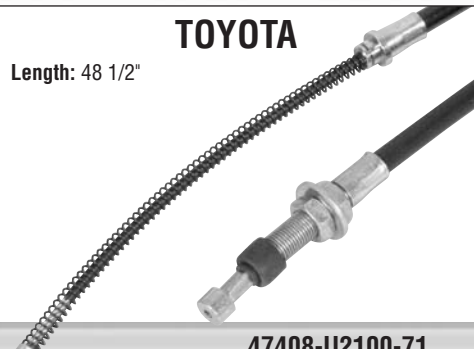
Length: 69 5/8"



47408-U1130-71

TOYOTA

Length: 48 1/2"



47408-U2100-71

TOYOTA

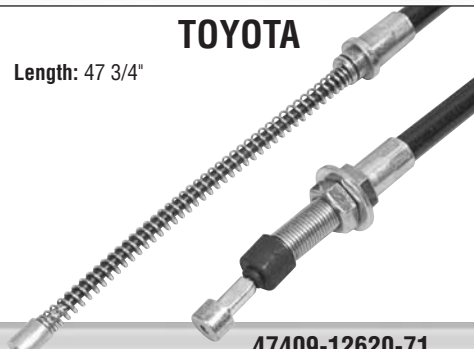
Length: 68 1/4"



47408-U2130-71

TOYOTA

Length: 47 3/4"



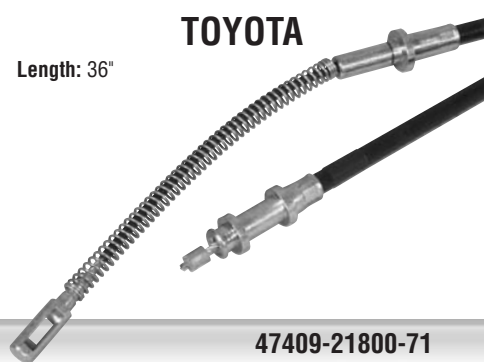
47409-12620-71

EMERGENCY BRAKE CABLES

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TOYOTA

Length: 36"



47409-21800-71

TOYOTA

Length: 52"



47409-22750-71

TOYOTA

Length: 51"



47409-22810-71

TOYOTA

Length: 45 7/8"



47409-33060-71

TOYOTA

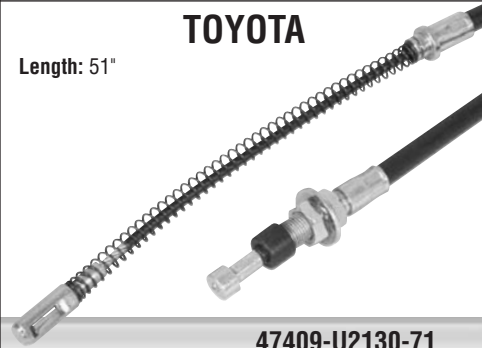
Length: 47 3/4"



47409-U1130-71

TOYOTA

Length: 51"



47409-U2130-71

TOYOTA

Length: 64 3/4"



47503-13310-71

TOYOTA

Length: 51 3/4"



47503-23470-71

TOYOTA

Length: 47"



47504-13310-71

TOYOTA

Length: 69 1/8"



47504-23470-71

TOYOTA

Length: 42"



47505-16640-71

TOYOTA

Length: 54 1/4"



47506-16640-71

TOYOTA

Length: 64 3/4"



90947-19012-71

TOYOTA

Length: 60 1/2"



90947-19013-71

TOYOTA

Length: 55 3/4"



90947-29001-71

TOYOTA

Length: 77 1/4"



90947-29002-71

YALE

Length: 57"



5042282-27

YALE

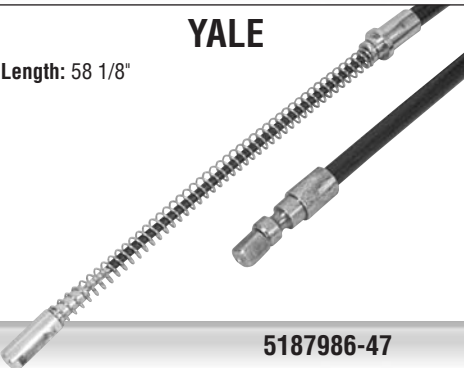
Length: 58 1/4"



5059635-22

YALE

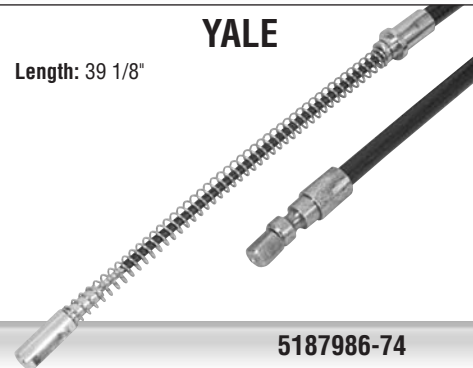
Length: 58 1/8"



5187986-47

YALE

Length: 39 1/8"



5187986-74

YALE

Length: 54"



5800112-24

YALE

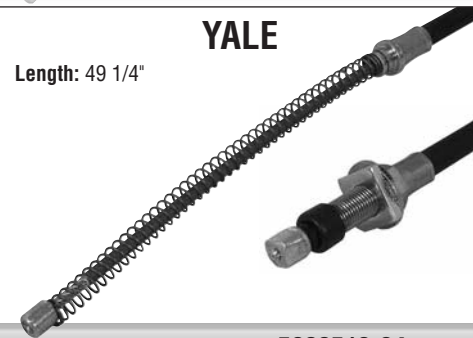
Length: 80 3/4"



5800112-25

YALE

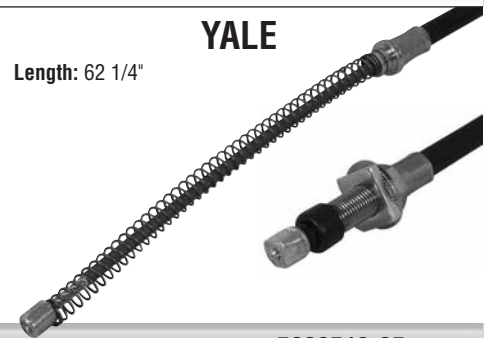
Length: 49 1/4"



5800513-24

YALE

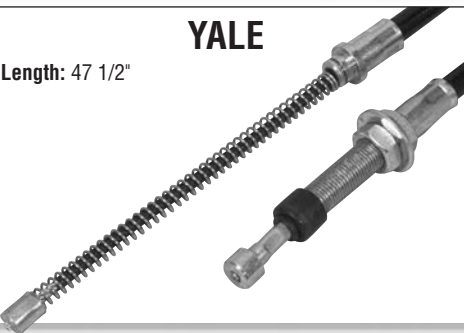
Length: 62 1/4"



5800513-25

YALE

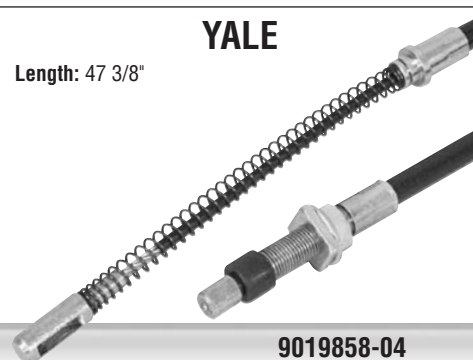
Length: 47 1/2"



5800630-00

YALE

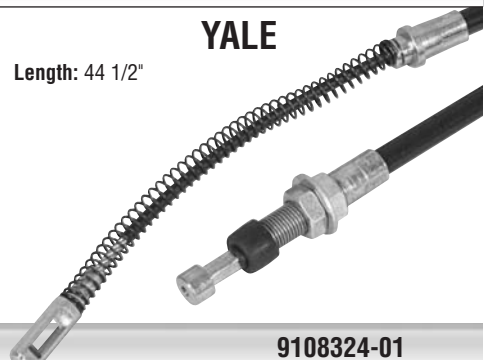
Length: 47 3/8"



9019858-04

YALE

Length: 44 1/2"



9108324-01

YALE

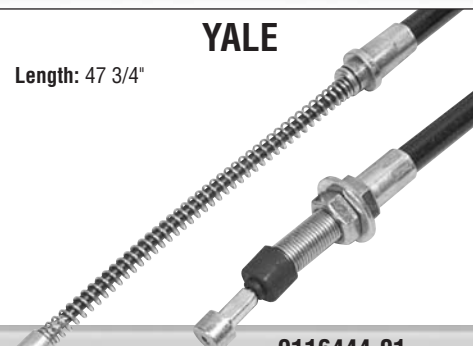
Length: 67 5/8"



9108324-02

YALE

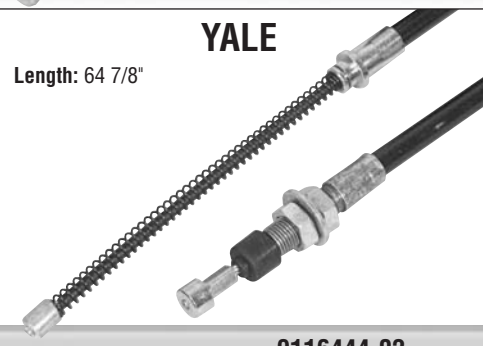
Length: 47 3/4"



9116444-01

YALE

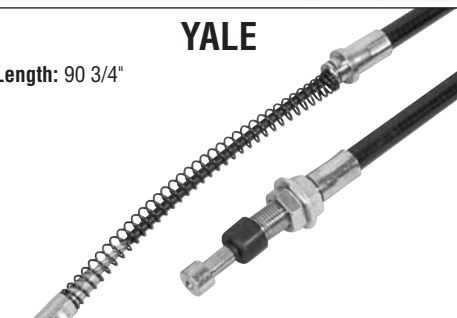
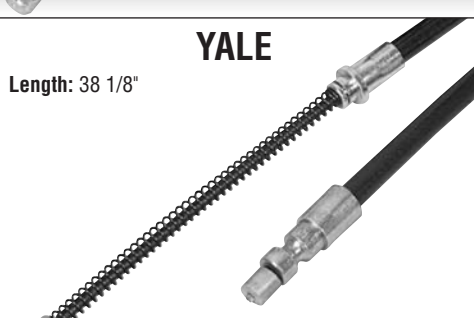

Length: 64 7/8"



9116444-02

EMERGENCY BRAKE CABLES

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YALE Length: 78 7/8"  9116444-04	YALE Length: 90 1/2"  9116444-05	YALE Length: 87 3/4"  9164274-01
YALE Length: 90 3/4"  9164274-02	YALE Length: 48"  9164274-03	YALE Length: 71 1/2"  9164274-04
YALE Length: 76 1/4"  9210304-03	YALE Length: 38 1/8"  9210304-04	YALE Length: 75 1/2"  9328674-01
YALE Length: 86 1/4"  9328674-02		

CLARK		HYSTER		HYSTER	
Part#	Length	Part#	Length	Part#	Length
2392245	35 1/2"	1358225	47 3/8"	1600493	47 1/2"
246112	56 1/2"	1375022	39 1/8"	2023771	76 1/2"
246282	54 1/2"	1375024	58 1/8"	2023772	38 1/8"
2797065	46 1/4"	1460794	53"	2074978	86 1/4"
2797066	71 7/8"	1460795	80"	2077245	75 1/2"
		1463247	54"	2077246	86 1/4"
		1463248	80 3/4"	325183	57"
		1565304	49 1/4"		
		1565305	62 1/4"		
HYSTER					
Part#	Length				
1358224	58 1/4"				

KALMAR AC

Part#	Length
4940939	62 3/4"
4940944	87 3/8"
4942602	101 7/8"
4942611	59 3/8"
4943998	76 7/8"
4943999	57"
4949371	62 3/4"
4949372	62 1/4"
4964968	55 3/4"
4964969	77"
4966183	58 3/4"
4966195	102"
8761536	54"
8761537	79"
8762950	52 1/2"
8762951	78 1/4"
8766089	79"

KOMATSU

Part#	Length
3BA-39-31230	76 7/8"
3BA-39-31242	57"
3EA-30-21140	55 3/4"
3EA-30-21240	77"
3EA-30-31180	52 1/2"
3EA-30-31190	78 1/4"
3EB-30-11130	62 3/4"
3EB-30-11131	62 3/4"
3EB-30-11230	87 3/8"
3EB-30-11231	62 1/4"
3EB-30-11232	79"
3EB-30-31330	54"
3EB-30-31340	79"
3EC-30-11280	101 7/8"
3EC-30-11470	59 3/8"
3EC-30-21370	58 3/4"
3EC-30-21770	102"
3EC-30-31540	90 1/4"

MITSI / CAT

Part#	Length
91246-05900	47 3/4"
91246-12700	55 3/4"
91246-22800	82 7/8"
91246-26100	91"
91346-00800	65 5/8"
91446-05700	48"
91446-11600	55 5/8"
91446-21700	85 7/8"
91446-25800	91 3/4"
91546-00600	66"
91B46-00317	42 3/4"
91B46-10413	64"
91E46-00119	45 3/4"
91E46-00215	67 3/4"
93B46-00311	43"
93B46-00411	86"
93E46-00311	50 3/4"

MITSI / CAT

Part#	Length
93E46-00411	47 3/4"

NISSAN

Part#	Length
36530-00H01	82 1/4"
36530-1K200	56"
36530-22H01	82 7/8"
36530-35H00	54 3/4"
36530-41H00	54"
36530-43K00	79 1/4"
36530-51K00	80"
36530-90K00	82 3/4"
36530-93K00	83 7/8"
36530-FC200	78 7/8"
36530-FC300	82 1/2"
36530-FD310	82 1/2"
36530-FJ501	64 1/4"
36530-FK001	67 3/4"
36531-00H01	57 1/2"
36531-1K000	47 1/4"
36531-22H01	58 3/8"
36531-35H00	48 1/2"
36531-41H00	48 1/2"
36531-43H00	48 7/8"
36531-43K00	50"
36531-51K00	45 3/8"
36531-90K00	58"
36531-93K00	59"
36531-FC200	44 3/4"
36531-FC300	47 1/2"
36531-FD310	43 1/2"
36531-FJ501	43"
36531-FK001	45 3/4"

TCM

Part#	Length
20803-71031	83 1/4"
20803-71041	59 1/4"
20803-71061	89 1/4"
20803-71071	65 5/8"
20803-71121	83 1/4"
20803-71131	59"
20803-71211	51"
23653-72181A	23 5/8"
C-52-11031-54603	23"
C-52-11246-54603	20 5/8"

TOYOTA

Part#	Length
47401-23420-71	47 1/4"
47402-23420-71	66 3/8"
47404-33240-71	67 3/4"
47405-33240-71	45 3/4"
47407-13000-71	69 3/4"
47407-23000-71	69 1/2"
47407-33660-71	76 1/2"
47407-U1100-71	69 5/8"
47407-U2100-71	69 1/2"

TOYOTA

Part#	Length
47408-12620-71	69 3/4"
47408-13000-71	48 1/2"
47408-13300-71	65 5/8"
47408-21800-71	48 3/4"
47408-22750-71	69 1/2"
47408-22810-71	68 1/4"
47408-23000-71	48 1/2"
47408-33060-71	76 3/8"
47408-33660-71	46 1/4"
47408-U1100-71	48 1/2"
47408-U1130-71	69 5/8"
47408-U2100-71	48 1/2"
47408-U2130-71	68 1/4"
47409-12620-71	47 3/4"
47409-21800-71	36"
47409-22750-71	52"
47409-22810-71	51"
47409-33060-71	45 7/8"
47409-U1130-71	47 3/4"
47409-U2130-71	51"
47503-13310-71	64 3/4"
47503-23470-71	51 3/4"
47504-13310-71	47"
47504-23470-71	69 1/8"
47505-16640-71	42"
47506-16640-71	53 3/4"
90947-19012-71	64 3/4"
90947-19013-71	60 1/2"
90947-29001-71	55 3/4"
90947-29002-71	77 1/4"

YALE

Part#	Length
5042282-27	57"
5059635-22	58 1/4"
5187986-47	58 1/8"
5187986-74	39 1/8"
5800112-24	54"
5800112-25	80 3/4"
5800513-24	49 1/4"
5800513-25	62 1/4"
5800630-00	47 1/2"
9019858-04	47 3/8"
9108324-01	44 1/2"
9108324-02	67 5/8"
9116444-01	47 3/4"
9116444-02	64 7/8"
9116444-04	78 7/8"
9116444-05	90 1/2"
9164274-01	87 3/4"
9164274-02	90 3/4"
9164274-03	48"
9164274-04	71 1/2"
9210304-03	76 1/4"
9210304-04	38 1/8"
9328674-01	75 1/2"
9328674-02	86 1/4"

DRIVE & STEER AXLE BOLTS

194

CLARK



444678

CLARK



444932

CLARK



445458

CLARK



7003266

CLARK



7003288

CLARK



7003323

HYSTER



118714

HYSTER



137154

HYSTER



1393342

HYSTER



1393348

HYSTER



1502276

HYSTER



1509870

HYSTER



1530431

HYSTER



1532337

HYSTER



178264

HYSTER



2021556

HYSTER



2021798

HYSTER



2023717

HYSTER



2027593

HYSTER



2027595

HYSTER



2037408

HYSTER



25723

HYSTER



339529

KOMATSU



34A-21-13141

KOMATSU/KALMAR AC



34A-24-11220 / 4941509

KOMATSU



34B-21-14143

KOMATSU/KALMAR AC



34B-22-14140 / 4941587

KOMATSU/KALMAR AC



34B-24-11221 / 4941592

KOMATSU/KALMAR AC



3EA-21-14121 / 4940494

KOMATSU/KALMAR AC



3EA-22-11141 / 4940501

KOMATSU/KALMAR AC



3EB-21-16140 / 4940914

KOMATSU/KALMAR AC



3EB-21-25170 / 4949328

KOMATSU/KALMAR AC



3EB-22-21170 / 4949338

KOMATSU/KALMAR AC



3EC-21-16140 / 4944598

KOMATSU/KALMAR AC



3EC-21-36231 / 8765018

KOMATSU/KALMAR AC



3EC-22-11140 / 4944601

KOMATSU/KALMAR AC



3EC-24-11320 / 4944607

MITSI/CAT



91233-11700

MITSI/CAT



91243-10800

MITSI/CAT



91433-20700

DRIVE & STEER AXLE BOLTS

196

MITSI/CAT



91443-03300

MITSI/CAT



91B33-11300

MITSI/CAT



91G33-01100

MITSI/CAT



93133-00300

MITSI/CAT



93433-00300

MITSI/CAT



93E33-00800

NISSAN



40222-14H00

NISSAN



40222-A0800

NISSAN



40222-FJ100

NISSAN



40222-L6000

NISSAN



43222-FK001

NISSAN



43222-FK310

NISSAN



43225-00H00

NISSAN



43225-04H00

NISSAN



43225-11H00

NISSAN



43225-14H00

NISSAN



43225-22H00

NISSAN



43225-91K00

NISSAN



43225-FC300

NISSAN



43225-L1300

NISSAN



43225-L6800

TCM



23453-72001

TCM



23654-32041

TCM



24353-72001B

TCM



25303-02102B

TOYOTA



42351-10910-71

TOYOTA



42423-32880-71

TOYOTA



42481-10481-71

TOYOTA



42481-11630-71

TOYOTA



42481-12000-71

TOYOTA



42481-20540-71

TOYOTA



42481-21800-71

TOYOTA



42481-21801-71

TOYOTA



42481-22750-71

TOYOTA



42481-22810-71

TOYOTA



42481-23600-71

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42481-30800-71

TOYOTA



42481-32750-71

TOYOTA



42481-32810-71

TOYOTA



42482-33660-71

DRIVE & STEER AXLE BOLTS

198

TOYOTA  42483-13310-71	TOYOTA  42483-33660-71	TOYOTA  43812-23320-71	TOYOTA  80114-76006-71	
TOYOTA  90101-12020-71	TOYOTA  90114-12012-71	TOYOTA  90114-14010-71	YALE  4490014-50	
YALE  5042262-46	YALE  5059695-81	YALE  5059725-84	YALE  5800020-14	
YALE  5800366-19	YALE  5800377-47	YALE  5800390-78	YALE  5800613-42	YALE  9005241-00
YALE  9005251-00	YALE  9037583-00	YALE  9037753-00	YALE  9257633-00	YALE  9310079-04

CLARK


103522

CLARK


58D000012

CLARK


86D000012

DOOSAN


A403169

DOOSAN


D153101

HYSTER


11276

HYSTER


1312624

HYSTER


1360799

HYSTER


1374550

HYSTER


1517836

HYSTER


1530721

HYSTER


1537133

HYSTER


182377

HYSTER


2021593

HYSTER


2021595

HYSTER


2021799

HYSTER


2026098

HYSTER


2027389

HYSTER





















2303412

HYSTER


248320

DRIVE & STEER AXLE NUTS

200

HYSTER  303120	HYSTER  376026	HYSTER  60949	KALMAR AC  4254978
KALMAR AC  4726656	KOMATSU/KALMAR AC  01582-11411 / 4940130	KOMATSU/KALMAR AC  01582-11815 / 4940132	KOMATSU/KALMAR AC  01582-12218 / 4940133
KOMATSU/KALMAR AC  300-22-31241 / 4941345	KOMATSU/KALMAR AC  34B-21-14151 / 4941586	KOMATSU/KALMAR AC  358-27-11230 / 4941745	KOMATSU/KALMAR AC  3EC-21-36811 / 8765241
KOMATSU/KALMAR AC  3EC-30-11490 / 4944661	MITSI/CAT  64343-19900	MITSI/CAT  F2300-12000	MITSI/CAT  F2305-16000
MITSI/CAT  F2320-12000	MITSI/CAT  MC810632	MITSI/CAT  MC814914	MITSI/CAT  MT420342

MITSI/CAT


05634-01200

MITSI/CAT


91446-04300

NISSAN


08911-2501A

NISSAN


08911-64610

NISSAN


40224-07D0B

NISSAN


40224-07D0C

NISSAN


40224-0T005

NISSAN


40224-21001

NISSAN


40224-FJ100

NISSAN


40225-L0700

NISSAN


43224-14H00

NISSAN


43224-04H00

NISSAN


43224-T5400

NISSAN


43241-90001

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44217-22H00

TCM


01400-10020

TCM


22513-72011

TCM


23654-34051

TCM


23913-02041

TCM


24354-32311

DRIVE & STEER AXLE NUTS

202

TCM



271F6-42531

TOYOTA



80942-76001-71

TOYOTA



80942-76002-71

TOYOTA



80942-76003-71

TOYOTA



80942-76005-71

TOYOTA



84115-76020-71

TOYOTA



84115-76021-71

TOYOTA



84186-76001-71

TOYOTA



90170-12004-71

TOYOTA



90170-16001-71

TOYOTA



90170-19001-71

TOYOTA



90170-19002-71

TOYOTA



90170-20003-71

TOYOTA



90170-20044-71

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90179-12001-71

TOYOTA



90179-12003-71

TOYOTA



90179-12004-71

TOYOTA



90179-14001-71

TOYOTA



90179-14002-71

TOYOTA



90179-16003-71

TOYOTA


90179-20001-71

TOYOTA


94186-11200-71

YALE


4490770-94

YALE


5042252-65

YALE


5042342-86

YALE


5059695-26

YALE


5800039-41

YALE


5800039-84

YALE


5800333-91

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5800378-94

YALE


5800639-44

YALE


9001263-01

YALE


9001263-07

YALE


9001263-08

YALE


9012028-09

YALE


9040951-01

YALE


9124713-03

YALE


9372009-04

DRIVE & STEER AXLE OIL SEALS

204

CLARK



116311

CLARK



123486

CLARK



2109665

CLARK



245020

CLARK



245318

CLARK



2786180

CLARK



2797961

CLARK



4304152

DOOSAN



D700305

DOOSAN



D700306

DOOSAN



D700581

HYSTER



1328682

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140471

HYSTER



1498807

HYSTER



1523530

HYSTER



2021554

HYSTER



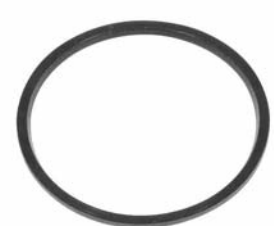
2021557

HYSTER



2021898

HYSTER



2027699

HYSTER



2027817

HYSTER



2028621

HYSTER



2035568

HYSTER



2035569

HYSTER



2039492

HYSTER



2039507

HYSTER



2305658

HYSTER



266728

HYSTER



300800

HYSTER



300801

HYSTER



314758

HYSTER



325568

HYSTER



373449

HYSTER



44542

HYSTER



57549

HYSTER



87382

KOMATSU/KALMAR AC



07012-00075 / 4940796



07012-00080 / 4942457























07012-00095 / 4942458



07012-00110 / 8765230

DRIVE & STEER AXLE OIL SEALS

206

KOMATSU/KALMAR AC 	KOMATSU 	KOMATSU 	KOMATSU 
300-22-11171 / 4941344	325-22-21350	34A-21-13180	360-22-13130
KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 
3BA-21-31260 / 4943879	3BA-24-31210 / 4943885	3EA-21-14131 / 4940495	3EA-21-14140 / 4940496
KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 
3EA-22-11210 / 4948613	3EB-21-15130 / 4940905	3EB-21-15140 / 4940906	3EB-21-32180 / 8761245
KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 
3EB-22-21160 / 4949337	3EC-21-15130 / 4944591	3EC-21-15140 / 4944592	3EC-21-36250 / 8765021
MITSI/CAT 	MITSI/CAT 	MITSI/CAT 	MITSI/CAT 
62246-00501	64333-71500	64343-17900	6V8407

MITSI/CAT



8C5211

MITSI/CAT



91233-05200

MITSI/CAT



91233-07900

MITSI/CAT



91443-06400

MITSI/CAT



91444-01600

MITSI/CAT



91833-02400

MITSI/CAT



91B33-01100

MITSI/CAT



91B33-02700

MITSI/CAT



91B43-02300

MITSI/CAT



91E33-01800

MITSI/CAT



91E43-02300

MITSI/CAT



93133-01500

MITSI/CAT



93433-12400

MITSI/CAT



9X7687

MITSI/CAT



9X7695

MITSI/CAT



F3016-04223

MITSI/CAT



F3016-04823

MITSI/CAT



F3016-05223

MITSI/CAT



F3016-07523





















MITSI/CAT



F3016-12523

DRIVE & STEER AXLE OIL SEALS

208

MITSI/CAT 	MITSI/CAT 	NISSAN 	NISSAN 
MH034006	MH034087	31344-L6000	40227-04H00
NISSAN 	NISSAN 	NISSAN 	NISSAN 
40227-FK000	43090-00H00	43090-22H00	43090-FK000
NISSAN 	NISSAN 	NISSAN 	NISSAN 
43090-L1100	43090-L3000	43090-L6000	43213-76000
NISSAN 	NISSAN 	NISSAN 	NISSAN 
43252-J2000	43254-FJ100	43254-FK000	43533-L1100
TCM 	TCM 	TCM 	TCM 
03217-08501	03217-11501	20803-02111	22574-32102

TCM



23453-02131

TCM



24843-02051

TOYOTA



42125-22000-71

TOYOTA



42125-23320-71

TOYOTA



42125-33060-71

TOYOTA



42125-33240-71

TOYOTA



42125-U2100-71

TOYOTA



42125-U3100-71

TOYOTA



42341-30370-71

TOYOTA



42415-10480-71

TOYOTA



42415-11630-71

TOYOTA



42415-20540-71

TOYOTA



42415-22800-71

TOYOTA



42415-31040-71

TOYOTA



42415-32800-71

TOYOTA



42415-U3130-71

TOYOTA



42423-33061-71

TOYOTA



42429-31961-71

TOYOTA



43415-U2100-71

TOYOTA



43821-22000-71

DRIVE & STEER AXLE OIL SEALS

210

YALE



5042242-08

YALE



5042242-18

YALE



5043147-81

YALE



5043147-82

YALE



5059595-12

YALE



5059655-09

YALE



5059715-70

YALE



5200454-97

YALE



5200454-98

YALE



5200455-89

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5300381-00

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5800348-98

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9002838-20

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9086893-00

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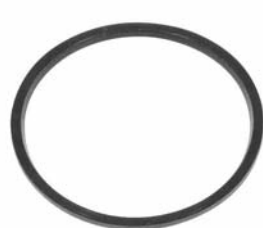
9093683-00

YALE



9110603-01

YALE



9110603-02

YALE



9208023-00

DRIVE & STEER AXLE OIL SEALS

211

YALE



9208033-00

YALE



9219493-00

YALE



9292613-00

YALE



9585069-95

YALE



9585069-99

YALE



9585079-05

DRIVE & STEER HUBS

212

HYSTER 	KOMATSU / KALMAR AC 	KOMATSU / KALMAR AC 	KOMATSU / KALMAR AC 	
2021797	34B-24-11212 / 4941591	3EB-21-32171 / 8761250	3EB-24-11130 / 4940923	
KOMATSU / KALMAR AC 	MITSI / CAT 	MITSI / CAT 	MITSI / CAT 	
3EB-24-21210 / 4949349	91433-40200	91443-30700	91544-00200	
MITSI / CAT 	NISSAN 	NISSAN 	TCM 	TCM 
91E43-10800	40204-14H00	40204-FK001	20224-40014	214A4-32041
TCM 	TOYOTA 	TOYOTA 	TOYOTA 	YALE 
24843-04021	04942-20040-71	42411-20540-71	43811-20540-71	9063996-00



Size	Part#	Tire Type	Construction
2.50 x 15	TIRE-630SP	Pneumatic	Solid
5.00 x 8	TIRE-500P	Pneumatic	Tubed
5.00 x 8	TIRE-510SP	Pneumatic	Solid
6.00 x 9	TIRE-520P	Pneumatic	Tubed
6.00 x 9	TIRE-530SP	Pneumatic	Solid
6.50 x 10	TIRE-540P	Pneumatic	Tubed
6.50 x 10	TIRE-550SP	Pneumatic	Solid
7.00 x 12	TIRE-560P	Pneumatic	Tubed
7.00 x 12	TIRE-570SP	Pneumatic	Solid
7.00 x 15	TIRE-600SP	Pneumatic	Solid
7.50 x 15	TIRE-610SP	Pneumatic	Solid
7.50 x 15	TIRE-620P	Pneumatic	Tubed
8.15 x 15	TIRE-590SP	Pneumatic	Solid
8.25 x 15	TIRE-580SP	Pneumatic	Solid
9 x 5 x 5	TIRE-370C	Cushion	Black Smooth
9 x 5 x 5	TIRE-375C	Cushion	White Smooth
10 x 5 x 6.50	TIRE-200C	Cushion	Black Smooth
10 x 5 x 6.50	TIRE-210C	Cushion	White Smooth
14 x 4.50 x 8	TIRE-290C	Cushion	Black Smooth
14 x 4.50 x 8	TIRE-300C	Cushion	White Smooth
14 x 5 x 10	TIRE-470C	Cushion	Black Smooth
14 x 5 x 10	TIRE-480C	Cushion	Black Ribbed
16.25 x 5 x 11.25	TIRE-440C	Cushion	Black Smooth
16.25 x 5 x 11.25	TIRE-450C	Cushion	Black Ribbed
16.25 x 5 x 11.25	TIRE-460C	Cushion	White Smooth
16.25 x 6 x 11.25	TIRE-310C	Cushion	Black Smooth
16.25 x 6 x 11.25	TIRE-320C	Cushion	Black Ribbed

Size	Part#	Tire Type	Construction
16.25 x 6 x 11.25	TIRE-330C	Cushion	White Smooth
16 x 5 x 10.50	TIRE-110C	Cushion	Black Ribbed
16 x 5 x 10.50	TIRE-120C	Cushion	Black Smooth
16 x 5 x 10.50	TIRE-130C	Cushion	White Smooth
16 x 6 x 10.50	TIRE-140C	Cushion	Black Ribbed
16 x 6 x 10.50	TIRE-150C	Cushion	Black Smooth
16 x 6 x 10.50	TIRE-160C	Cushion	White Smooth
18 x 6 x 12.125	TIRE-270C	Cushion	Black Smooth
18 x 6 x 12.125	TIRE-280C	Cushion	Black Ribbed
18 x 7 x 12.125	TIRE-220C	Cushion	Black Smooth
18 x 7 x 12.125	TIRE-230C	Cushion	White Smooth
18 x 7 x 12.125	TIRE-240C	Cushion	Black Ribbed
18 x 8 x 12.125	TIRE-340C	Cushion	Black Smooth
18 x 8 x 12.125	TIRE-350C	Cushion	Black Ribbed
18 x 8 x 12.125	TIRE-360C	Cushion	White Smooth
21 x 6 x 15	TIRE-410C	Cushion	Black Smooth
21 x 6 x 15	TIRE-420C	Cushion	Black Ribbed
21 x 6 x 15	TIRE-430C	Cushion	White Smooth
21 x 7 x 15	TIRE-170C	Cushion	Black Ribbed
21 x 7 x 15	TIRE-180C	Cushion	Black Smooth
21 x 7 x 15	TIRE-190C	Cushion	White Smooth
21 x 8 x 15	TIRE-250C	Cushion	Black Smooth
21 x 8 x 15	TIRE-260C	Cushion	Black Ribbed
22 x 9 x 16	TIRE-380C	Cushion	Black Smooth
22 x 9 x 16	TIRE-390C	Cushion	Black Ribbed
22 x 9 x 16	TIRE-400C	Cushion	White Smooth
28 x 9 x 15	USE TIRE-590SP		

WARRANTY POLICY: The limited warranty policy is applicable for all tires sold by Helmar Inc. We will be responsible to repair or replace new tires if the professional personnel find the claimed tires damaged due to any defect arising out of the faulty workmanship, material or process for the life of the tire. Helmar Inc. warrants that all tires have reached or exceeded the technical standards or relations currently implemented in terms of performance and industrial safety.

SOLID TIRE QUALITY WARRANTY POLICY

I. On normal road (with out obvious hollow and/or protuberance)

Standard Load Capacity	Type	Warranty Time
Less then 2 tons	Front Tire	1600 hrs
Less then 2 tons	Rear Tire	1100 hrs
2-5 Tons	Front Tire	2000 hrs
2-5 Tons	Rear Tire	1800 hrs
5 Tons or more	Front Tire	3000 hrs
5 Tons or more	Rear Tire	2200 hrs

CERTIFICATE OF ANALYSIS

Item	Type	Test Results	Conclusion
Tensile Strength	Mpa > 18	21.9	Qualified
Breaking elongation %	% > 350	500	Qualified
Shore Hardness (shore A)	Degree 65±5	68	Qualified
Wear Loss (Akrone)	CM3 < 0.4	0.18	Qualified

II. Under tough circumstances

Standard Load Capacity	Type	Warranty Time
Less then 2 tons	Front Tire	1280 hrs
Less then 2 tons	Rear Tire	880 hrs
2-5 Tons	Front Tire	1600 hrs
2-5 Tons	Rear Tire	1440 hrs
5 Tons or more	Front Tire	2400 hrs
5 Tons or more	Rear Tire	1760 hrs

TIRE TUBES



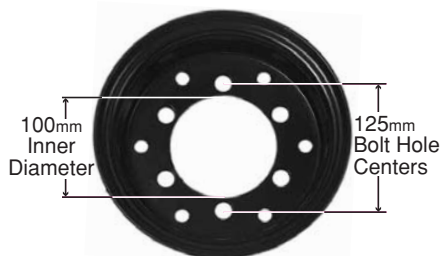
5.00 X 8	6.00 X 9	6.50 X 10	7.00 X 12
TUBE-5008	TUBE-6009	TUBE-65010	TUBE-70012

These products listed in this brochure are tested by GB/T10824-1996, the appearance, and the qualities are conforming to the requirements.

STEEL RIM ASSEMBLIES

214 ALL RIMS INCLUDE 2 HALVES & RIM MOUNTING HARDWARE

6 BOLT



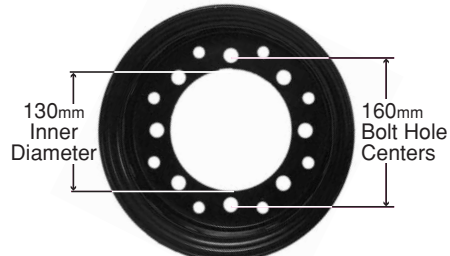
Tire Size 500-8
R500-1

6 BOLT



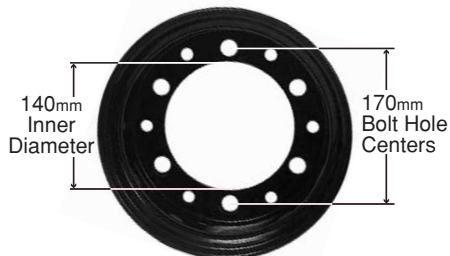
Tire Size 500-8
R500-2

8 BOLT



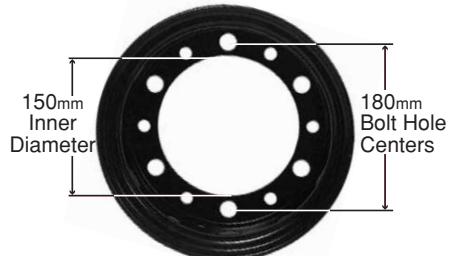
Tire Size 600-9
R600-1

6 BOLT



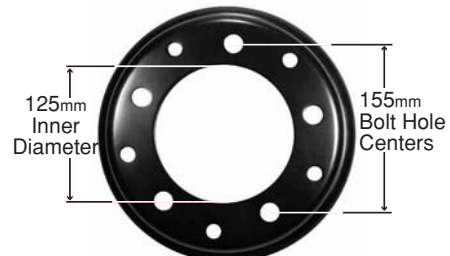
Tire Size 600-9
R600-2

6 BOLT



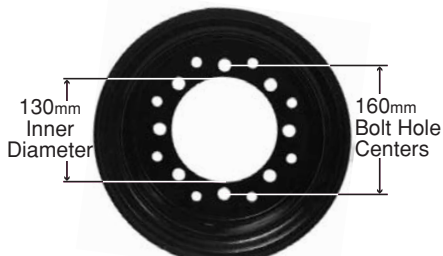
Tire Size 600-9
R600-3

5 BOLT



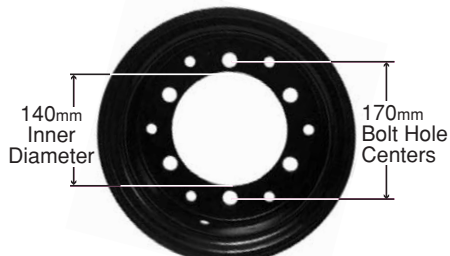
Tire Size 600-9
R600-4

8 BOLT



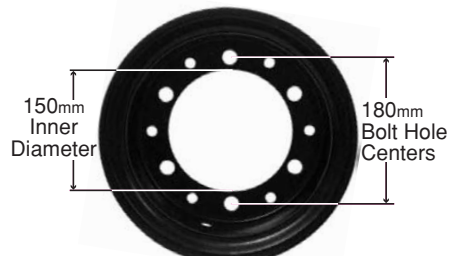
Tire Size 650-10
R650-1

6 BOLT



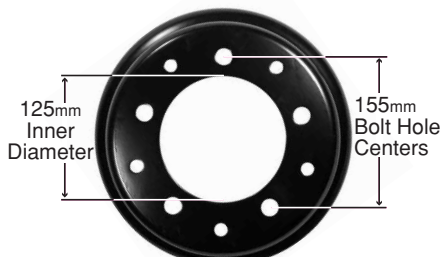
Tire Size 650-10
R650-2

6 BOLT



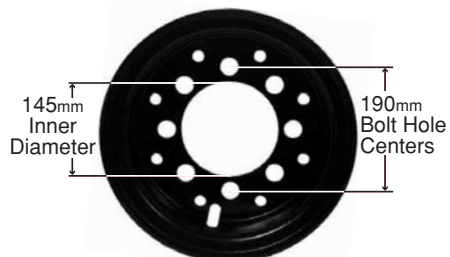
Tire Size 650-10
R650-3

5 BOLT



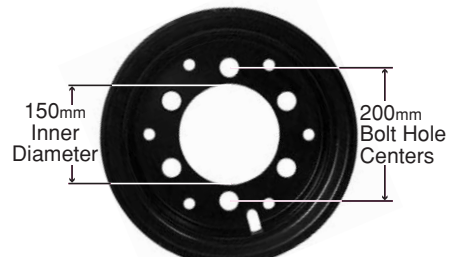
Tire Size 650-10
R650-4

8 BOLT



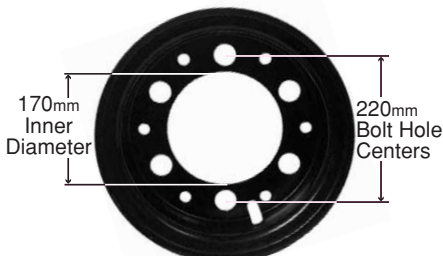
Tire Size 700-12
R700-1

6 BOLT



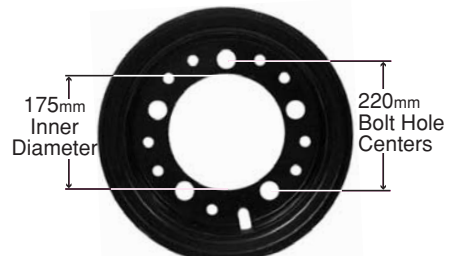
Tire Size 700-12
R700-2

6 BOLT



Tire Size 700-12
R700-3

5 BOLT



Tire Size 700-12
R700-4

CLARK

OEM#	HELMAR#
448072	R650-3

HYSTER

OEM#	HELMAR#
2021629	R500-1
2027392	R700-2
2028527	R600-2
2028528	R600-2
3049183	R600-3
3132670	R600-3
3132671	R650-3
3145221	R650-3

KALMAR AC

OEM#	HELMAR#
8761517	R700-3
8761518	R650-3

KOMATSU

OEM#	HELMAR#
300-30-00100	R600-3
300-30-00101	R600-3
300-30-00102	R600-3
300-30-00103	R600-3
300-30-12110	R600-3
300-30-12120	R600-3
300-70-17110	R600-3
32A-27-11141	R700-3
34A-26-11220	R500-2
34A-27-00010	R600-3
34A-27-00030	R600-3
34A-27-00038	R600-3
34A-27-00040	R650-3
34A-27-00041	R650-3
34A-27-00050	R600-3
34A-27-00070	R650-3
34A-27-00071	R650-3
34A-27-00080	R600-3
34A-27-00090	R650-3
34A-27-00100	R600-3
34A-27-00210	R700-3
34A-27-11131	R700-3
34A-27-11141	R700-3
34A-27-12150	R600-3
34A-27-14120	R600-3
34A-27-14130	R600-3
34A-27-14230	R650-3
34A-28-00010	R500-2
34A-28-00011	R500-2
34A-28-00110	R500-2
34A-28-11220	R500-2
34A-28-11230	R500-2
34B-27-00010	R700-3
34B-27-00030	R700-3
34B-27-00210	R700-3
34B-27-11131	R700-3

KOMATSU

OEM#	HELMAR#
34B-27-11141	R700-3
34B-28-11230	R700-3
37A-27-00030	R600-3
37A-27-00040	R650-3

MISTI / CAT

OEM#	HELMAR#
1033412	R700-3
1040077	R600-3
1110784	R600-3
1413885	R700-3
1415884	R700-3
9053303600	R650-3
9053303700	R700-3
9054303800	R500-2
9054303900	R600-3
9123300050	R650-3
9123301800	R650-3
9123301811	R650-3
9123301812	R650-3
9123311800	R650-3
9123321800	R650-3
9123905500	R650-3
9123906300	R500-2
9123906500	R650-3
9124300020	R500-2
9124311400	R500-2
9124321400	R500-2
9124330020	R500-2
9124331400	R500-2
9143300040	R600-3
9143903800	R600-3
9143906200	R600-3
9143906400	R700-3
9144301500	R600-3
9144301511	R600-3
9144301512	R600-3
9144311500	R600-3
9144315500	R600-3
9144320020	R600-3
9144321500	R600-3
9144321511	R600-3
9144321512	R600-3
9164300020	R650-3
9184325800	R700-3
9304300200	R600-3

NISSAN

OEM#	HELMAR#
40300-0G000	R600-3
40300-0G201	R650-3
40300-24H00	R650-3
40300-43K00	R500-2
40300-43K05	R500-2
40300-48202	R600-3
40300-50K00	R600-3

NISSAN

OEM#	HELMAR#
40300-50K05	R600-3
40300-L0101	R650-3
40300-L0301	R600-3
40300-L1100	R600-3
40300-L1109	R600-3
40300-L1300	R650-3
40300-L1309	R650-3
40300-L1325	R650-3
40300-L1400	R500-2
40300-L1409	R500-2
40300-L1425	R500-2
40300-L2000	R600-3
40300-L2009	R600-3
40300-L2010	R600-3
40300-L2400	R650-3
40300-L2409	R650-3
40300-L2500	R500-2
40300-L2509	R500-2
40301-L0100	R650-3
40301-L0101	R650-3
40301-L0301	R600-3
43300-43K00	R650-3
43300-43K05	R650-3
43300-50K00	R700-3
43300-50K05	R700-3
43300-L1100	R700-3
43300-L1104	R700-3
43300-L1126	R700-3
43300-L2000	R700-3
43300-L2009	R700-3

TCM

OEM#	HELMAR#
22574-40301	R650-3
22574-40302	R650-3
22574-40303	R650-3
23454-40401	R600-3
23454-40402	R600-3
23454-40403	R600-3
23654-40501	R600-1
51233-80201	R650-3
52516-80302	R500-1
52516-82302	R500-1

TOYOTA

OEM#	HELMAR#
00591-07356-81	R600-3
00591-07357-81	R650-3
00591-44369-81	R650-3
00591-44372-81	R500-2
00591-44373-81	R600-3
44101-10100-71	R600-3
44101-10110-71	R650-3
44102-10021-71	R500-2
44108-10480-71	R500-2
44108-10481-71	R500-2

TOYOTA

OEM#	HELMAR#
44108-10741-71	R500-2
44108-13310-71	R650-3
44109-10480-71	R650-3
44110-20170-71	R700-3
44110-20541-71	R700-1
44111-10110-71	R650-3
44112-10110-71	R650-3
44170-30880-71	R700-1
44170-30881-71	R700-1
44202-10480-71	R500-2
44209-20540-71	R600-3
44209-20742-71	R600-3
44209-22000-71	R600-3
44209-22001-71	R600-3
44209-22002-71	R600-3
44209-32060-71	R650-3
44209-32061-71	R650-3
44209-32062-71	R650-3
44209-F2030-71	R600-3
44212-10480-71	R650-3
44220-30800-71	R650-3
44220-30801-71	R650-3
44310-10480-71	R650-3
44310-10481-71	R650-3
44310-10560-71	R600-3
44310-20540-71	R600-3
44310-20541-71	R600-3
44409-20540-71	R700-1
44409-20541-71	R700-1

YALE

OEM#	HELMAR#
1500167700	R600-3
220021903	R650-3
220024270	R600-3
220024271	R650-3
220045218	R500-2
220045221	R650-3
220077602	R600-3
220078000	R600-3
518483002	R500-1
800036710	R700-3
800087780	R600-3
800087781	R650-3
800087782	R500-2
800128855	R700-3
900007400	R600-2
900007401	R600-2
900007402	R600-2
900008400	R650-2
900247400	R700-2
903871400	R500-1
905564600	R700-2

CLARK



2804751

HYSTER



185874

HYSTER



2021800

HYSTER



69029

KOMATSU/KALMAR AC



3EB-24-11160 / 8772430

KOMATSU



3EB-24-51390

MITSI/CAT



91243-10900

MITSI/CAT



93443-00700

NISSAN



40292-FJ100

NISSAN



40292-L1100

TCM



214A4-32051

TCM



22194-32361

TOYOTA



43821-20540-71

YALE



5042242-23

YALE



5042272-83

YALE



9223633-00

KOMATSU  Brake 302-32-24080	KOMATSU  Brake / Accelerator 304-43-31190	KOMATSU  Accelerator 3BA-37-51140	KOMATSU  Brake 91A51-10700
MITSI / CAT  Clutch 91A51-10800	MITSI / CAT  Accelerator 91A51-27100	NISSAN  Brake 46487-48270	NISSAN  Brake 46582-14H01
NISSAN  Brake 46582-14H04	NISSAN  Brake 46582-14H05	NISSAN  Brake 46582-14H06	NISSAN  Brake 46582-4G200
NISSAN  Brake 46582-94H05	TOYOTA  Accelerator 26654-23600-71	TOYOTA  Accelerator 26655-31720-71	TOYOTA  Brake 47115-23000-71
TOYOTA  Brake 47115-23010-71	TOYOTA  Brake 47119-10920-71	TOYOTA  Brake 47119-22801-71	TOYOTA  Brake 47119-23330-71
TOYOTA  Brake 47119-23340-71	TOYOTA  Brake 47119-23600-71	TOYOTA  Accelerator 90506-16002-71	TOYOTA  Accelerator 90508-30001-71

BRAKE & INCHING PEDAL PADS

218

CLARK  2366520	CLARK  2803391	HYSTER  1328059	HYSTER  1343630
HYSTER  1570298	KOMATSU  34A-36-11150	KOMATSU / KALMAR AC  3EB-36-12130 / 4941012	KOMATSU  3EB-36-31130
MITSI / CAT  91251-00700	MITSI / CAT  91253-02600	MITSI / CAT  91A51-00600	NISSAN  46531-11700
NISSAN  46531-40K00 / 46531-6G200	NISSAN  46531-FK100	TCM  20315-30021	TCM  239A5-42301
TCM  25595-42071	TOYOTA  31319-20540-71	TOYOTA  47118-10920-71	TOYOTA  47118-U2100-71
YALE  5042282-02	YALE  5800529-31	YALE  9000012-01	YALE  9035264-00

CLARK



Pedal

2386846

HYSTER



Pedal

1383672

HYSTER



Pedal Pad

352885

KOMATSU / KALMAR AC



Pedal Pad

3EB-37-11120 / 4941026

KOMATSU



Pedal

3BA-50-51541 / 3EB-37-41160

MITSI / CAT



Pedal

91351-24800

MITSI / CAT



Pedal Pad

91852-00800

MITSI / CAT



Pedal

91A51-28500

NISSAN



Pedal

18012-FK10A

NISSAN



Pedal Pad

18016-6G200-F1

NISSAN



Pedal Pad

18017-58000

TCM



Pedal

214A5-22051

TCM



Pedal

22N55-20211

TCM



Pedal

23655-22201

TOYOTA



Pedal

26611-U2100-71

TOYOTA



Pedal

26611-U2230-71

TOYOTA



Pedal Pad

26618-22000-71

TOYOTA



Pedal Pad

26619-13200-71

YALE



Pedal Pad

5042282-59

YALE



Pedal

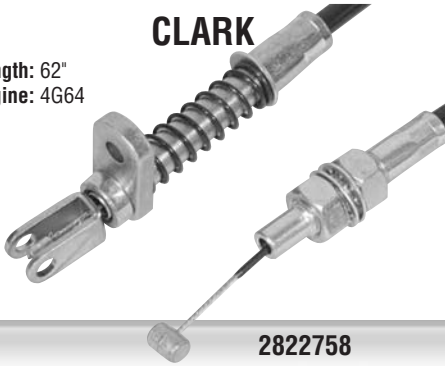
9153564-00

ACCELERATOR CABLES

220

CLARK

Length: 62"
Engine: 4G64



2822758

HYSTER

Length: 56"
Engine: FE Gasoline



1339626

HYSTER

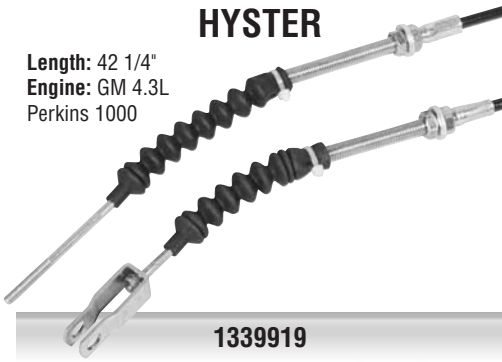
Length: 41 1/4"
Engine: GM 4.3L



1339917

HYSTER

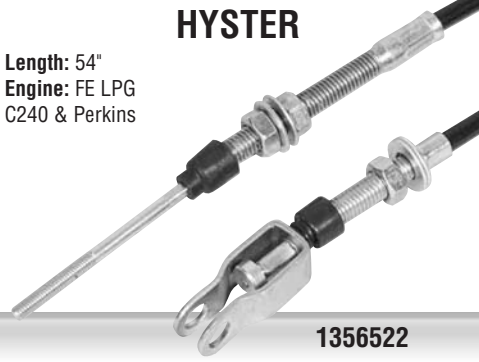
Length: 42 1/4"
Engine: GM 4.3L
Perkins 1000



1339919

HYSTER

Length: 54"
Engine: FE LPG
C240 & Perkins



1356522

HYSTER

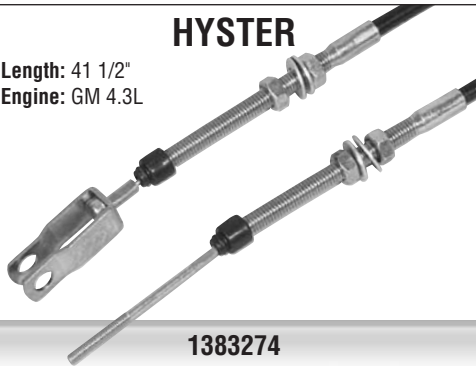
Length: 55 1/2"
Engine: FE & F2 LPG



1359623

HYSTER

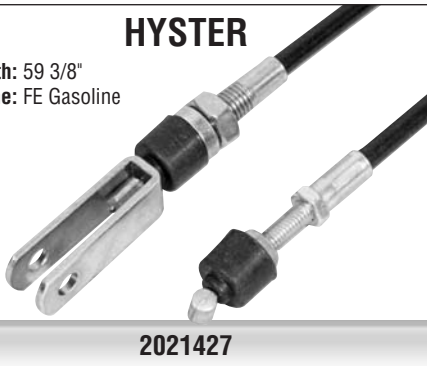
Length: 41 1/2"
Engine: GM 4.3L



1383274

HYSTER

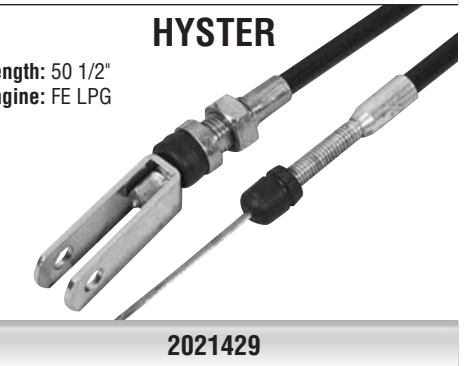
Length: 59 3/8"
Engine: FE Gasoline



2021427

HYSTER

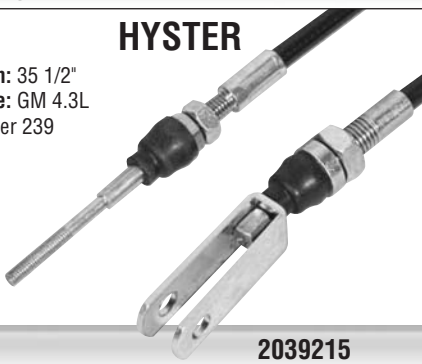
Length: 50 1/2"
Engine: FE LPG



2021429

HYSTER

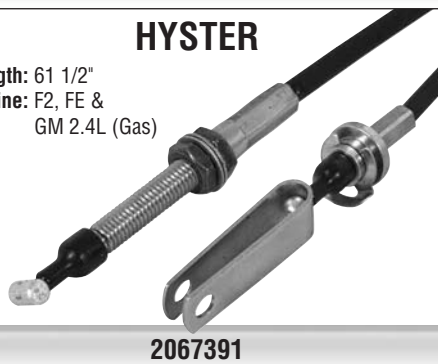
Length: 35 1/2"
Engine: GM 4.3L
Chrysler 239



2039215

HYSTER

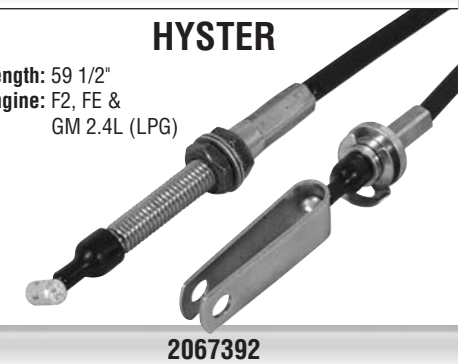
Length: 61 1/2"
Engine: F2, FE &
GM 2.4L (Gas)



2067391

HYSTER

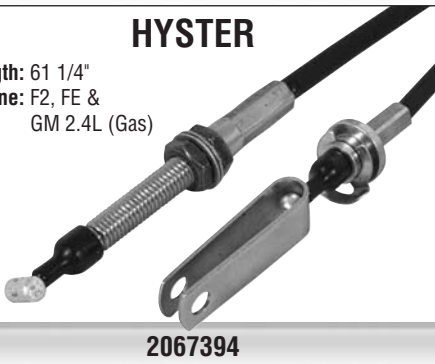
Length: 59 1/2"
Engine: F2, FE &
GM 2.4L (LPG)



2067392

HYSTER

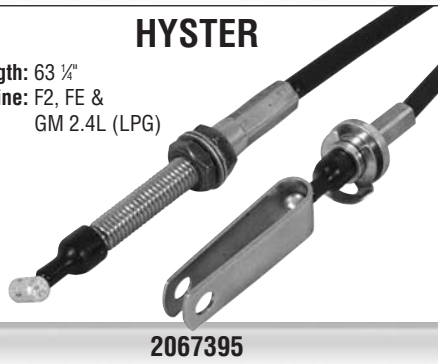
Length: 61 1/4"
Engine: F2, FE &
GM 2.4L (Gas)



2067394

HYSTER

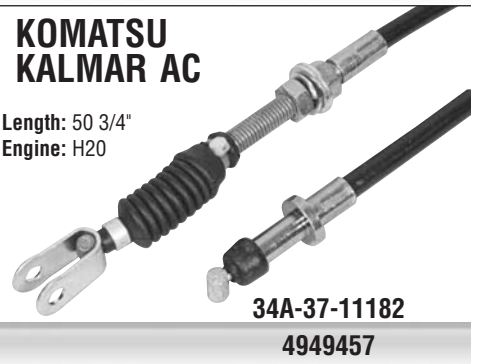
Length: 63 1/4"
Engine: F2, FE &
GM 2.4L (LPG)



2067395

**KOMATSU
KALMAR AC**

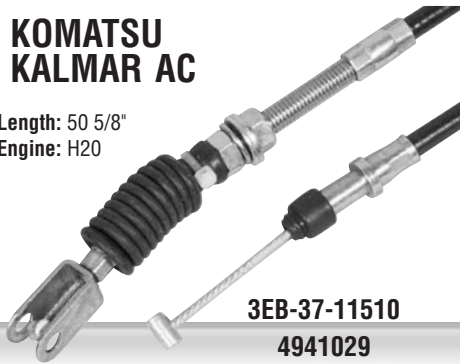
Length: 50 3/4"
Engine: H20



34A-37-11182
4949457

KOMATSU KALMAR AC

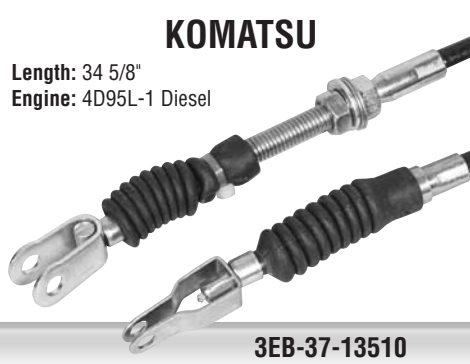
Length: 50 5/8"
Engine: H20



3EB-37-11510
4941029

KOMATSU

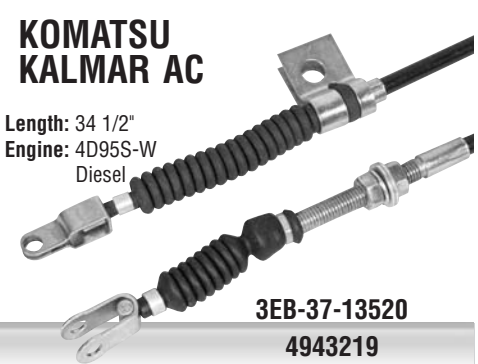
Length: 34 5/8"
Engine: 4D95L-1 Diesel



3EB-37-13510

KOMATSU KALMAR AC

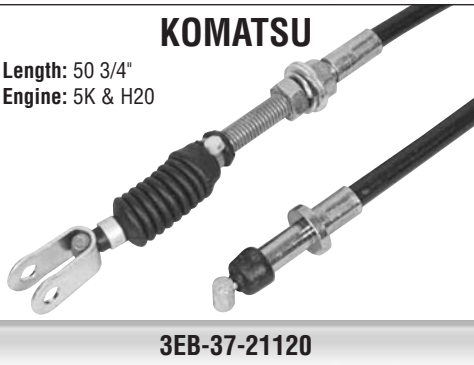
Length: 34 1/2"
Engine: 4D95S-W
Diesel



3EB-37-13520
4943219

KOMATSU

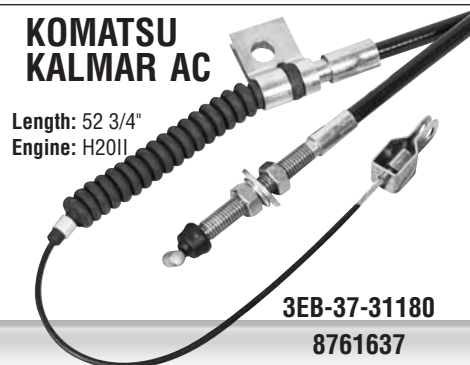
Length: 50 3/4"
Engine: 5K & H20



3EB-37-21120

KOMATSU KALMAR AC

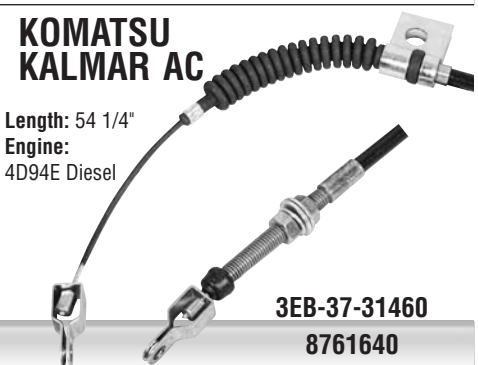
Length: 52 3/4"
Engine: H20II



3EB-37-31180
8761637

KOMATSU KALMAR AC

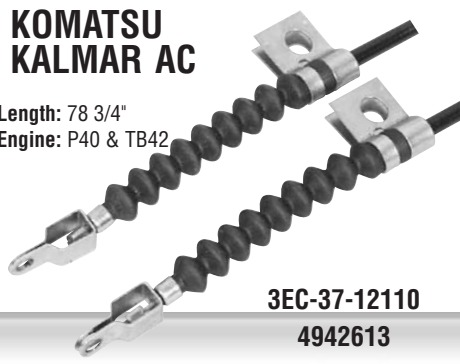
Length: 54 1/4"
Engine: 4D94E Diesel



3EB-37-31460
8761640

KOMATSU KALMAR AC

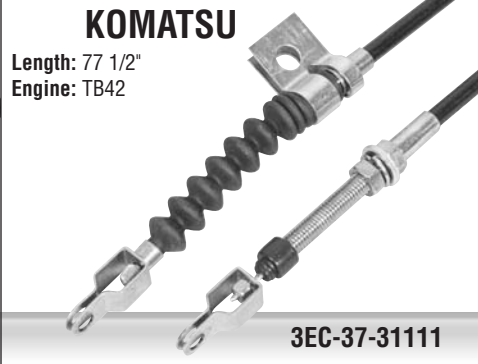
Length: 78 3/4"
Engine: P40 & TB42



3EC-37-12110
4942613

KOMATSU

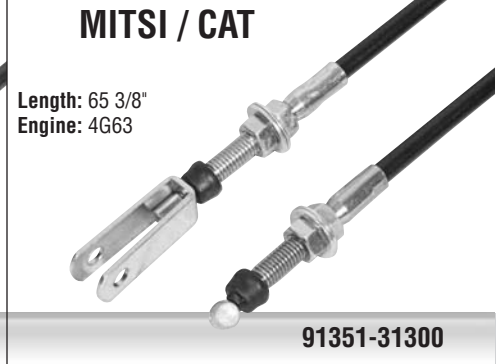
Length: 77 1/2"
Engine: TB42



3EC-37-31111

MITSI / CAT

Length: 65 3/8"
Engine: 4G63



91351-31300

MITSI / CAT

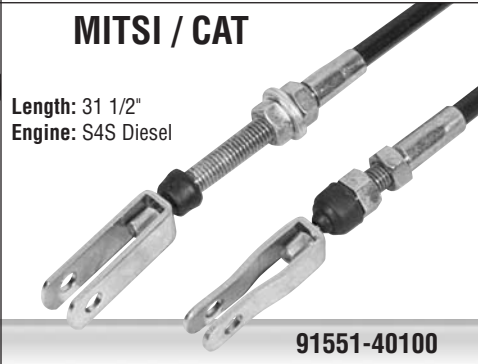
Length: 65 3/8"
Engine: 4G63 & 4G64



91351-51300

MITSI / CAT

Length: 31 1/2"
Engine: S4S Diesel



91551-40100

MITSI / CAT

Length: 33"
Inching Cable



91A51-13200

MITSI / CAT

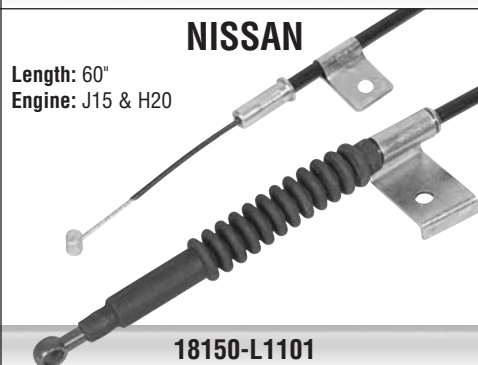
Length: 25 1/2"
Inching Cable



93A51-00200

NISSAN

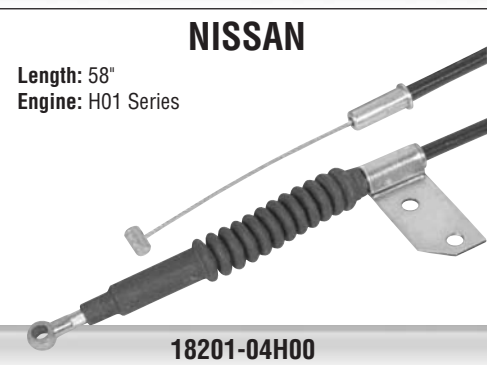
Length: 60"
Engine: J15 & H20



18150-L1101

NISSAN

Length: 58"
Engine: H01 Series



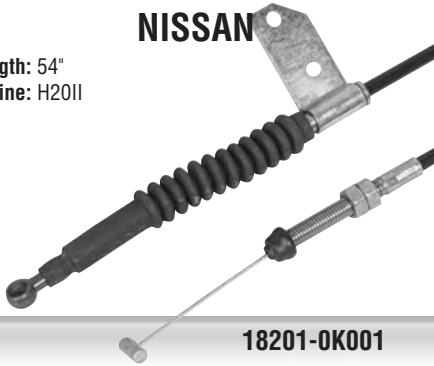
18201-04H00

ACCELERATOR CABLES

222

NISSAN

Length: 54"
Engine: H20II



18201-0K001

NISSAN

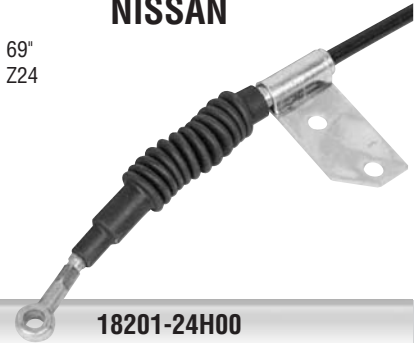
Length: 58"
Engine: H02 Series



18201-14H00

NISSAN

Length: 69"
Engine: Z24



18201-24H00

NISSAN

Length: 69"
Engine: Z24



18201-24H10

NISSAN

Length: 65 1/4"
Engine: TB42, P40,
SD33



18201-53H00

NISSAN

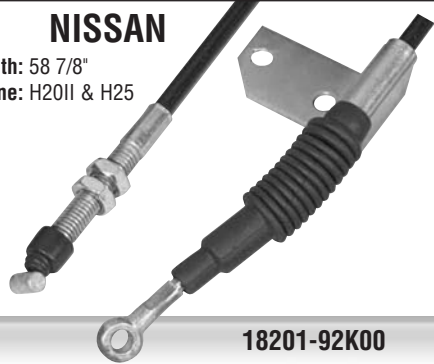
Length: 58"
Engine: Compact H20II



18201-90K00

NISSAN

Length: 58 7/8"
Engine: H20II & H25



18201-92K00

NISSAN

Length: 33"
Inching Cable



30770-FJ110

TCM

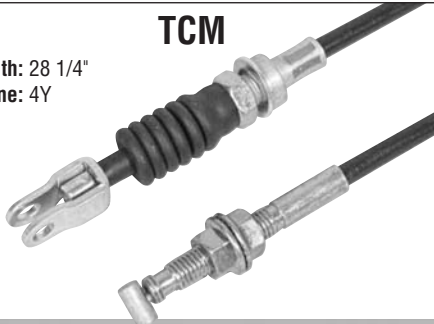
Length: 39 3/4"
Engine: A15



21235-22001B

TCM

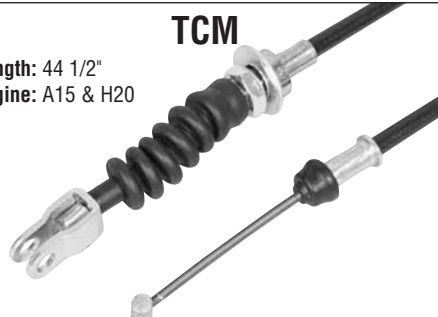
Length: 28 1/4"
Engine: 4Y



212R5-22201

TCM

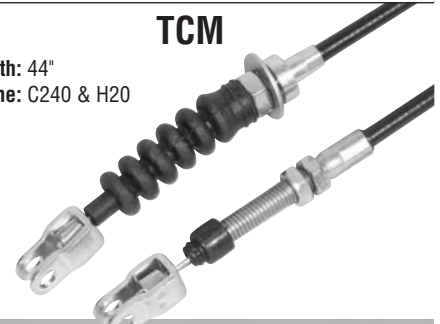
Length: 44 1/2"
Engine: A15 & H20



213A5-22001C

TCM

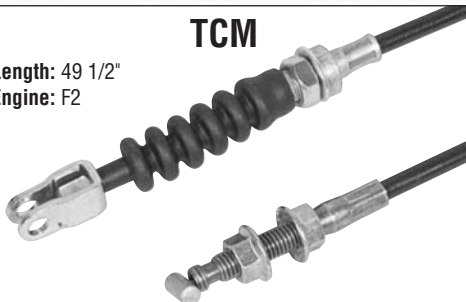
Length: 44"
Engine: C240 & H20



214A5-22121C

TCM

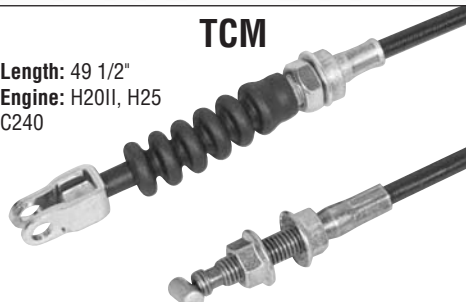
Length: 49 1/2"
Engine: F2



215E5-23001

TCM

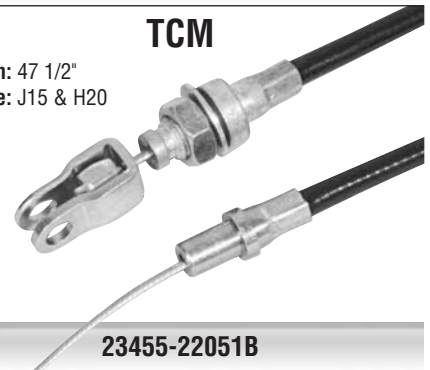
Length: 49 1/2"
Engine: H20II, H25
C240



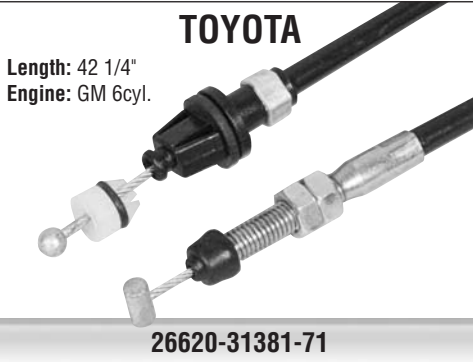
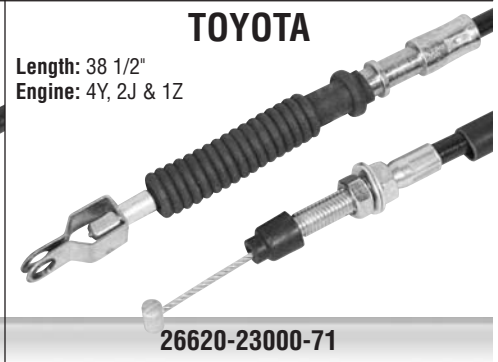
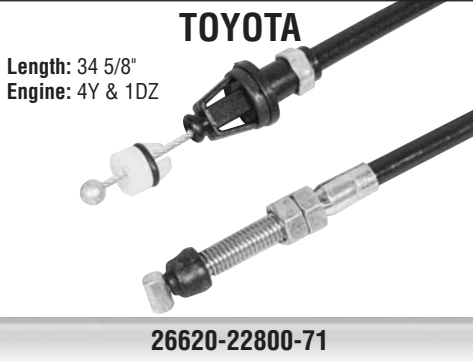
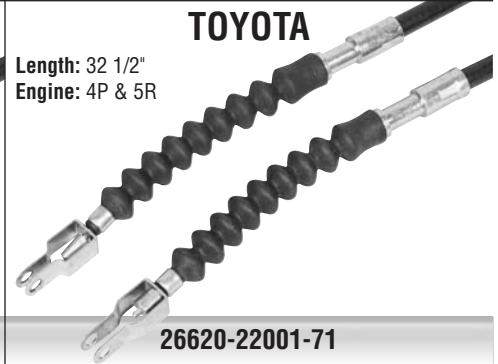
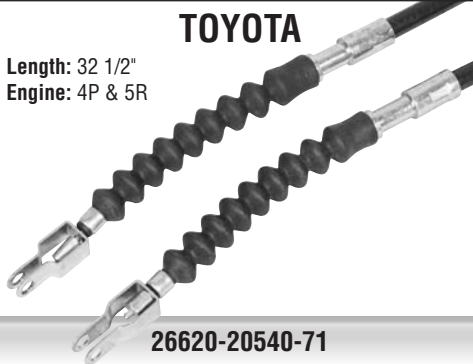
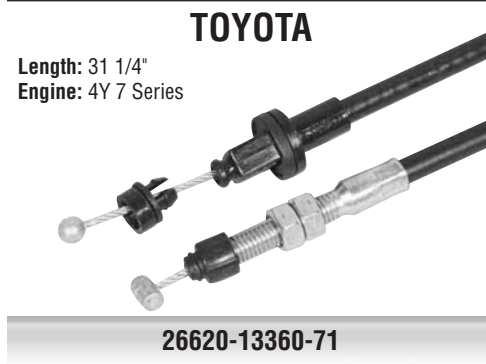
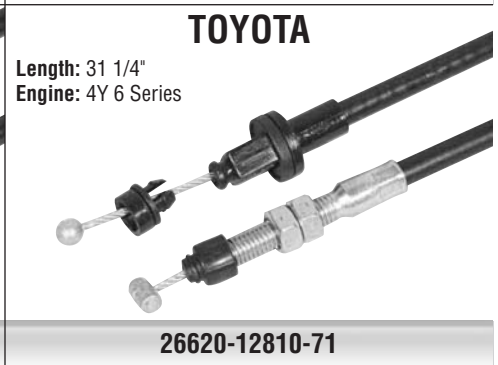
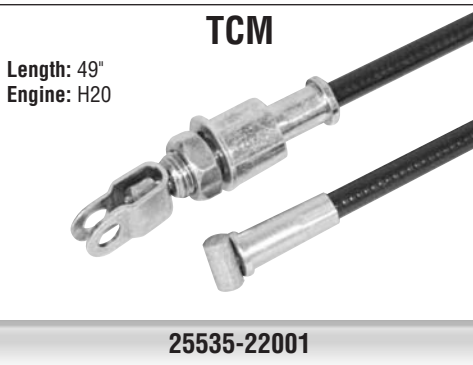
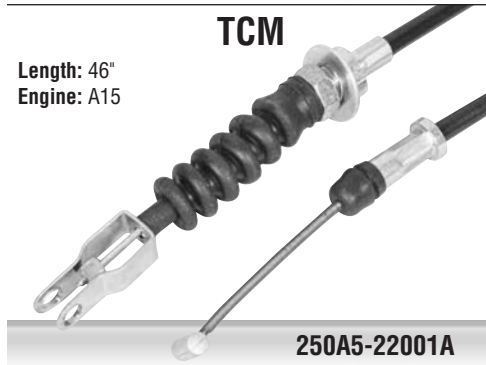
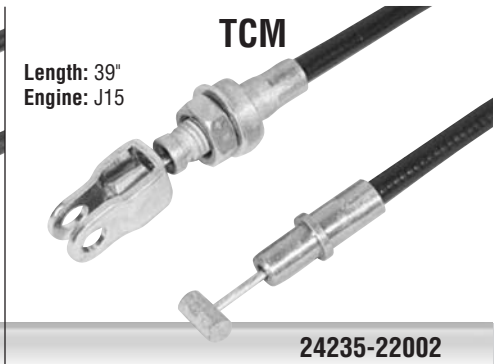
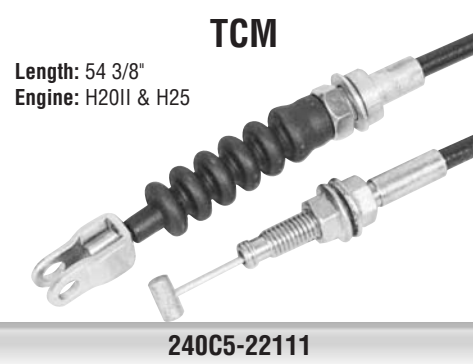
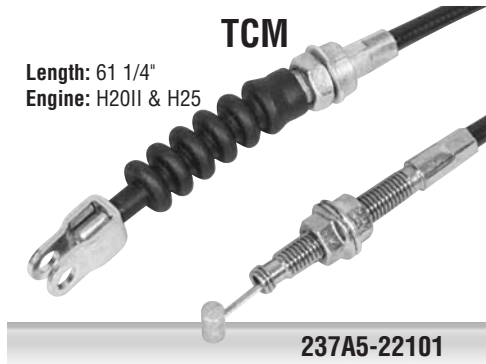
228F5-22001

TCM

Length: 47 1/2"
Engine: J15 & H20



23455-22051B



ACCELERATOR CABLES

224

YALE

Length: 55 1/2"
Engine: FE & F2 LPG



5059695-20

YALE

Length: 56"
Engine: FE & F2
Gasoline



5059735-31

YALE

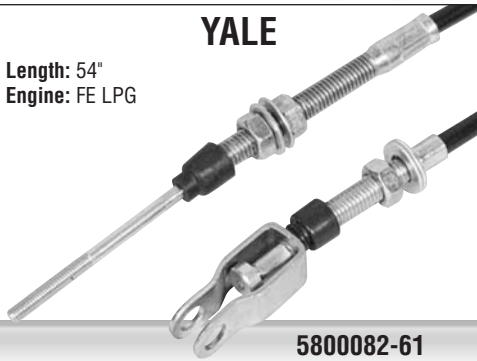
Length: 56"
Engine: FE & F2
Gasoline



5800082-60

YALE

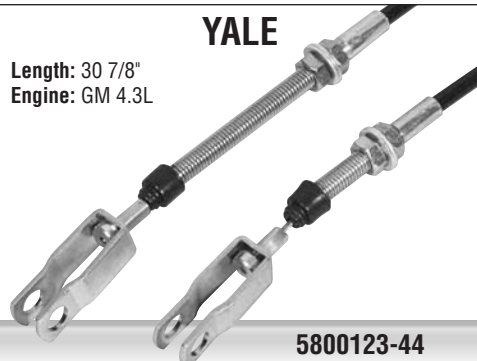
Length: 54"
Engine: FE LPG



5800082-61

YALE

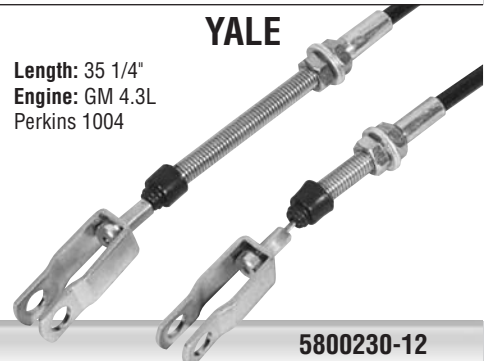
Length: 30 7/8"
Engine: GM 4.3L



5800123-44

YALE

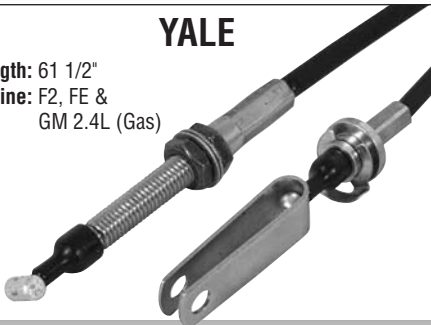
Length: 35 1/4"
Engine: GM 4.3L
Perkins 1004



5800230-12

YALE

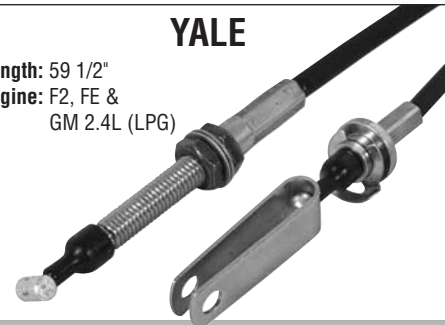
Length: 61 1/2"
Engine: F2, FE &
GM 2.4L (Gas)



5800484-50

YALE

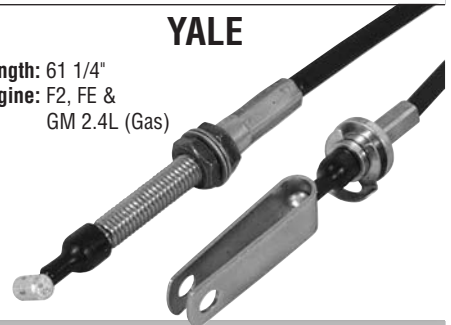
Length: 59 1/2"
Engine: F2, FE &
GM 2.4L (LPG)



5800484-51

YALE

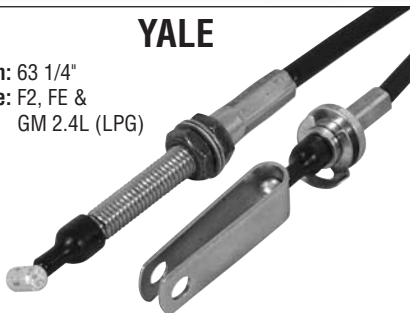
Length: 61 1/4"
Engine: F2, FE &
GM 2.4L (Gas)



5800484-53

YALE

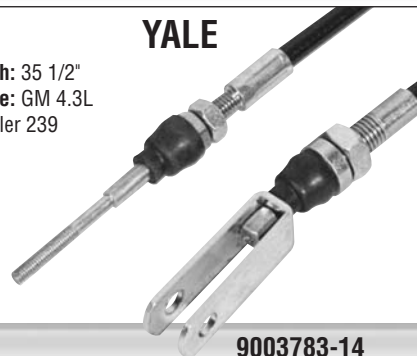
Length: 63 1/4"
Engine: F2, FE &
GM 2.4L (LPG)



5800484-54

YALE

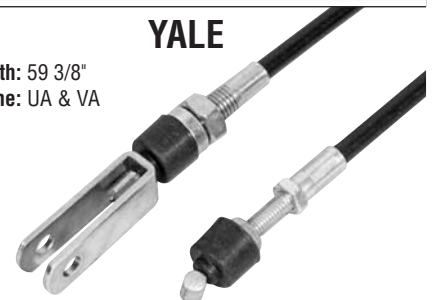
Length: 35 1/2"
Engine: GM 4.3L
Chrysler 239



9003783-14

YALE

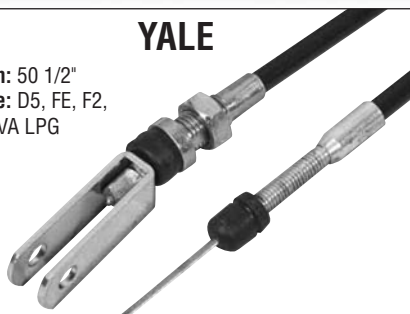
Length: 59 3/8"
Engine: UA & VA



9071404-03

YALE

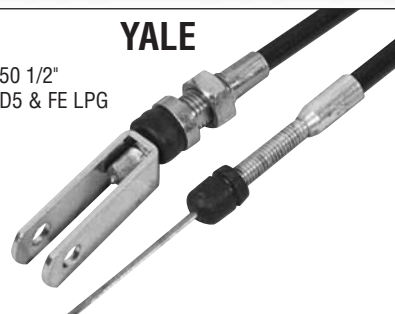
Length: 50 1/2"
Engine: D5, FE, F2,
UA & VA LPG



9118514-01

YALE

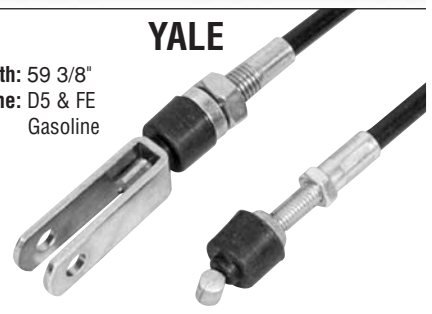
Length: 50 1/2"
Engine: D5 & FE LPG



9195124-01

YALE

Length: 59 3/8"
Engine: D5 & FE
Gasoline



9198664-01

CLARK

Part#	Engine/Description	Length
2822758	4G64	62"

HYSTER

Part#	Engine/Description	Length
1339626	FE Gasoline	56"
1339917	GM 4.3L	41 1/4"
1339919	GM 4.3L & Perkins 1000	42 1/4"
1356522	C240, FE LPG & Perkins 1000	54"
1359623	FE & F2 LPG	55 1/2"
1383274	GM 4.3L	41 1/2"
2021427	FE Gasoline	59 3/8"
2021429	FE LPG	50 1/2"
2039215	GM 4.3L & Chrysler 239	35 1/2"
2067391	F2, FE & GM 2.4L Gas	61 1/2"
2067392	F2, FE & GM 2.4L LPG	59 1/2"
2067394	F2, FE & GM 2.4L Gas	61 1/4"
2067395	F2, FE & GM 2.4L LPG	63 1/4"

KALMAR AC

Part#	Engine/Description	Length
4941029	H20	50 5/8"
4942613	TB42 & P40	78 3/4"
4943219	4D95S-W Diesel	34 1/2"
4949457	H20	50 3/4"
8761637	H20II	52 3/4"
8761640	4D94E Diesel	54 1/4"

KOMATSU

Part#	Engine/Description	Length
34A-37-11182	Universal H20	50 3/4"
3EB-37-11510	H20	50 5/8"
3EB-37-13510	4D95L-1 Diesel	34 5/8"
3EB-37-13520	4D95S-W Diesel	34 1/2"
3EB-37-21120	5K & H20	50 3/4"
3EB-37-31180	H20II	52 3/4"
3EB-37-31460	4D94E Diesel	54 1/4"
3EC-37-12110	P40 & TB42	78 3/4"
3EC-37-31111	TB42	77 1/2"

MITSUBISHI/CATERPILLAR

Part#	Engine/Description	Length
91351-31300	4G63	65 3/8"
91351-51300	4G63 & 4G64	65 3/8"
91551-40100	S4S Diesel	31 1/2"

NISSAN

Part#	Engine/Description	Length
18150-L1101	J15 & H20	60"
18201-04H00	H01 Series	58"
18201-0K001	H20II	54"
18201-14H00	H02 Series	58"
18201-24H00	Z24	69"
18201-24H10	Z24	69"
18201-53H00	TB42, P40 & SD33	65 1/4"
18201-90K00	Compact H20II	58"
18201-92K00	H20II & H25	58 7/8"

TCM

Part#	Engine/Description	Length
21235-22001B	A15	39 3/4"
212R5-22201	4Y	28 1/4"
213A5-22001C	A15 & H20	44 1/2"
214A5-22121C	C240 & H20	44"
215E5-23001	F2	49 1/2"
228F5-22001	H20II, H25 & C240	49 1/2"
23455-22051B	J15 & H20	47 1/2"
237A5-22101	H20II & H25	61 1/4"
240C5-22111	H20II & H25	54 3/8"
24235-22002	J15	39"
250A5-22001A	A15	46"
25535-22001	H20	49"

TOYOTA

Part#	Engine/Description	Length
26620-12810-71	4Y 6 Series	31 1/4"
26620-13360-71	4Y 7 Series	31 1/4"
26620-20540-71	4P & 5R	32 1/2"
26620-22001-71	4P & 5R	32 1/2"
26620-22790-71	GM 4181	35 1/2"
26620-22800-71	4Y & 1DZ	34 5/8"
26620-23000-71	4Y, 2J & 1Z	38 1/2"
26620-23320-71	4Y 7 Series	33 7/8"
26620-31381-71	GM 6 Cyl.	42 1/4"

YALE

Part#	Engine/Description	Length
5059695-20	FE & F2 LPG	55 1/2"
5059735-31	FE & F2 Gasoline	56"
5800082-60	FE & F2 Gasoline	56"
5800082-61	FE LPG	54"
5800123-44	GM 4.3L	30 7/8"
5800230-12	GM 4.3L Perkins 1004	35 1/4"
5800484-50	F2, FE & GM 2.4L Gas	61 1/2"
5800484-51	F2, FE & GM 2.4L LPG	59 1/2"
5800484-53	F2, FE & GM 2.4L Gas	61 1/4"
5800484-54	F2, FE & GM 2.4L LPG	63 1/4"
9003783-14	GM 4.3L & Chrysler 239	35 1/2"
9071404-03	UA & VA	59 3/8"
9118514-01	D5, FE, F2, UA & VA LPG	50 1/2"
9195124-01	D5 & FE LPG	50 1/2"
9198664-01	D5 & FE Gasoline	59 3/8"

INCHING CABLES































Part#	Truck	Length
30770-FJ110	NISSAN	33"
91A51-13200	MITSI / CAT	33"
93A51-00200	MITSI / CAT	25 1/2"































HOOD RELEASE CABLE































Part#	Length
52247-32160-71	39 3/4"































WHEEL BEARINGS































226

CLARK 	CLARK 	CLARK 	CLARK 	CLARK 
1316482	1316483	1318334	2107649	2107650
CLARK 	CLARK 	CLARK 	CLARK 	CLARK 
238624	2772669	2800269	2800270	392197
CLARK 	CLARK 	CLARK 	CLARK 	CLARK 
445431	654169	712098	712099	915650
CLARK 	CLARK 	CLARK 	CROWN 	CROWN 
915991	925453	927816	65044	65045
CROWN 	CROWN 	CROWN 	CROWN 	CROWN 
65157	65158	65162	73442	803735
CROWN 	CROWN 	DOOSAN 	DOOSAN 	DOOSAN 
A6075	A6157	A233462	D180270	D180271

DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
				
D700255	D700256	D700279	D700280	D700568
DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
				
D700569	D700571	D700579	D700582	D700897
DOOSAN	HYSTER	HYSTER	HYSTER	HYSTER
				
S6132080	1313897	1338727	1338731	135657
HYSTER	HYSTER	HYSTER	HYSTER	HYSTER
				
135658	1374815	1375472	1375474	1375486
HYSTER	HYSTER	HYSTER	HYSTER	HYSTER
				
1375492	1375500	1394617	1394618	1525632
HYSTER	HYSTER	HYSTER	HYSTER	HYSTER
				
1531171	153715	153835	156194	156195

HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
163970	163971	183614	183615	186412
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
186415	2021288	2021555	2021785	2021802
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
2021803	2027661	2027662	2027663	2027665
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
2028655	2090850	224570	224571	230315
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
230421	230428	230443	2304693	264892
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
264893	276228	276439	276440	30019

HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
30068	30076	30077	30097	30098
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
30147	30151	30232	30273	30289
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
317075	317076	328135	352219	352407
HYSTER 	HYSTER 	KOMATSU 	KOMATSU/KALMAR AC 	KOMATSU 
368427	392198	06000-30206	06000-30207 / 4940232	06000-30208
KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 
06000-30209 / 4940233	06000-30211 / 4941346	06000-30212 / 4940234	06000-30215 / 4941478	06000-30218 / 4944305
KOMATSU 	KOMATSU 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU 
06000-30310	06000-32009	06000-32010 / 4943829	06000-32011 / 4948504	06000-32013

KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 
06000-32016	06000-32206	06000-32208	06000-32209 / 4940235	06000-32215 / 4920074
KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 
06002-30206 / 4947606	06002-30210 / 4941350	06002-30214 / 4940236	06002-30216 / 4942451	06002-30212 / 4940238
KOMATSU 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU 
06002-32019	06002-32207 / 4943835	06002-32211 / 4942453	06002-32213 / 8761246	06300-32007
KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU/KALMAR AC 	KOMATSU 
06300-32010	06302-30207	14X-14-19241	300-22-31360 / 8765231	300-22-31370
KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU/KALMAR AC 
300-22-31560	300-27-31460	316-22-21250	34A-21-13210	3EA-22-11161 / 4940503
KOMATSU 	KOMATSU 	MITSI/CAT 	MITSI/CAT 	MITSI/CAT 
3EB-21-52350	3EB-24-32260	0300061	1036362	1075035

MITSI/CAT



6V8796

MITSI/CAT



6V8797

MITSI/CAT



90440-00100

MITSI/CAT



90440-00200

MITSI/CAT



90440-00300

MITSI/CAT



90440-00400

MITSI/CAT



90440-00500

MITSI/CAT



90440-00700

MITSI/CAT



90440-00800

MITSI/CAT



90440-00900

MITSI/CAT



90440-01100

MITSI/CAT



90440-01200

MITSI/CAT



90440-01300

MITSI/CAT



90440-01400

MITSI/CAT



90440-01500

MITSI/CAT



90440-01700

MITSI/CAT



90440-02300

MITSI/CAT



90440-02400

MITSI/CAT



92343-01800

MITSI/CAT



93133-00900

MITSI/CAT



93433-02100

MITSI/CAT



971278

MITSI/CAT



971398

MITSI/CAT



971399

MITSI/CAT



972144

MITSI/CAT



972145

MITSI/CAT



973286

MITSI/CAT



F8140-30212

MITSI/CAT

































F8140-30213

MITSI/CAT



F8140-30215

MITSI/CAT 	MITSI/CAT 	MITSI/CAT 	MITSI/CAT 	MITSI/CAT 
F8140-30218	F8142-30310	F8143-32210	F8143-32212	F8143-32213
MITSI/CAT 	MITSI/CAT 	MITSI/CAT 	MITSI/CAT 	MITSI/CAT 
F8143-32215	F8143-32216	K800002994	K800003015	NA040025
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
38140-04100	38140-30K00	38140-45H01	38440-01X00	38440-40K00
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
38440-50000	38440-61500	38440-61510	38440-L7000	40210-61501
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
40210-76000	40210-85000	40210-C6000	40210-FJ100	40210-GA10A
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
40210-GA12A	40211-48201	40211-50000	40215-L0100	40215-0T100

NISSAN

43210-22H00
NISSAN

43210-76000
NISSAN

43210-FK000
NISSAN

43210-FK300
NISSAN

43210-L1100
NISSAN

43210-L6000
NISSAN

43210-T8100
NISSAN

43215-22H00
NISSAN

43215-47601
NISSAN

43215-FK000
NISSAN

43215-L1100
NISSAN

43215-L3000
NISSAN

43215-L3200
NISSAN

43215-T8000
NISSAN

43215-T9310
NISSAN

43228-49000
RAYMOND

410-015-05
RAYMOND

447-102
RAYMOND

447-104
RAYMOND

447-557
TCM

03071-30207
TCM

03071-30209
TCM

03071-30213
TCM

03071-30214
TCM

03071-30216
TCM































03071-30219
TCM

03071-33013
TCM

11873-52031
TCM

12003-43011
TCM

12003-43021

TCM 	TCM 	TCM 	TCM 	TCM 
12003-43031	17502-52211	19502-52291	19502-52301	23453-02071A
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
38149-41800-71	41115-U3270-71	41116-U2170-71	41238-U2100-71	41359-U2170-71
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
42421-31390-71	42421-33060-71	42421-33240-71	42421-U1130-71	42421-U2100-71
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
42421-U3100-71	42421-U3130-71	42422-U3100-71	42422-U3130-71	42426-31960-71
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
43221-U1170-71	43221-U2170-71	43222-U2170-71	43815-31040-71	43815-31620-71
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
43825-31040-71	43825-31960-71	43826-31960-71	80366-76004-71	87600-76010-71

TOYOTA



87600-76013-71

TOYOTA



87609-76001-71

TOYOTA



90366-45104-71

TOYOTA



90366-99014-71

TOYOTA



90369-60003-71

TOYOTA



97540-00208-71

TOYOTA



97600-30206-71

TOYOTA



97600-30207-71

TOYOTA



97600-30208-71

TOYOTA



97600-30210-71

TOYOTA



97600-30211-71

TOYOTA



97600-30212-71

TOYOTA



97600-30213-71

TOYOTA



97600-30215-71

TOYOTA



97600-30216-71

TOYOTA



97600-30217-71

TOYOTA



97600-32007-71

TOYOTA



97600-32010-71

TOYOTA



97600-32011-71

TOYOTA



97600-32012-71

TOYOTA



97600-32013-71

TOYOTA



97600-32014-71

TOYOTA



97600-32015-71

TOYOTA



97600-32016-71

TOYOTA



97600-32206-71

TOYOTA



97600-32207-71

TOYOTA



97600-32208-71

TOYOTA



97600-32210-71

TOYOTA
































97600-32211-71

TOYOTA



97600-32212-71

TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
97600-32213-71	97600-32214-71	97600-32215-71	97600-32216-71	97600-32220-71
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	UNIVERSAL 
97600-32309-71	97600-33015-71	97610-32022-71	97619-30309-71	07100
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
07196	09067	09195	12520	12580
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
15100	15123	15245	25520	25580
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
25821	25877	2720	2788	28521
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
28584	3920	394A	395LA	3984































UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
5205-2RS	5205-ZZ	6004-2RS	6004-ZZ	6005-2RS
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
6005-ZZ	6006-2RS	6006-ZZ	6200-2RS	6200-ZZ
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
6201-2RS	6201-ZZ	6202-2RS	6202-ZZ	6203-2RS
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
6203-ZZ	6204-2RS	6204-Z	6204-ZZ	6205-2RS
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
6205-Z	6205-ZZ	6206-2RS	6206-Z	6206-ZZ
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
6207-2RS	6207-ZZ	6208-2RS	6208-ZZ	6209-2RS

UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
6209-ZZ	6303-2RS	6303-ZZ	6304-2RS	6304-ZZ
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
6305-2RS	6305-Z	6305-ZZ	6306-2RS	6306-ZZ
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
6307-2RS	6307-ZZ	8505/181Z	8605	87505
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
87506	B9-MJP	HM88610	HM88649	HM89410
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
HM89449	JLM104910	JLM104948	JLM104948/10	JLM506810
UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 	UNIVERSAL 
JLM506849	JLM710910	JLM710949C	JLM714110	JLM714149

UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL
				
JLM813010	JLM813049	JM207010	JM207049	L44610
UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL
				
L44643	L44649	LM102910	LM102949	LM11910
UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL
				
LM11949	LM48510	LM48548	LM603011	LM603049
UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL
				
LM67010	LM67048	LM67049A	M802011	M802048
UNIVERSAL	UNIVERSAL	YALE	YALE	YALE
				
M86610	M86649	0540826-00	0550764-00	0550766-00
YALE	YALE	YALE	YALE	YALE
				
0552899-00	0596954-00	0596955-00	0596956-00	0650008-00

WHEEL BEARINGS































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YALE 	YALE 	YALE 	YALE 	YALE 
0657443-00	0658624-00	0658639-00	0723873-01	0723873-02
YALE 	YALE 	YALE 	YALE 	YALE 
5020299-01	5020299-02	5020299-03	5020299-10	5020299-11
YALE 	YALE 	YALE 	YALE 	YALE 
5020299-12	5020299-35	5020299-36	5020299-48	5042292-18
YALE 	YALE 	YALE 	YALE 	YALE 
5042292-34	5042292-69	5059595-83	5059715-07	5059715-16
YALE 	YALE 	YALE 	YALE 	YALE 
5192448-14	5197668-14	5200454-99	5200498-20	5800020-79
YALE 	YALE 	YALE 	YALE 	YALE 
5800040-37	5800040-40	5800125-16	5800141-61	5800141-63

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BEARINGS - NEEDLE, THRUST, SPHERICAL































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CLARK  Spherical Bearing 1310275	CLARK  Spherical Bearing 2794459	CLARK  Spherical Bearing 3777091	CLARK  Spherical Bearing 3799599	CLARK  Spherical Bearing 3799773
CLARK  Spherical Bearing 444590	CLARK  Needle Bearing 445415	CLARK  Needle Bearing 675227	CLARK  Needle Bearing 711120	CLARK  Spherical Bearing 763780
CLARK  Spherical Bearing 927811	CROWN  Spherical Bearing 065012-007	CROWN  Spherical Bearing 65012-1	DOOSAN  Needle Bearing A132656	DOOSAN  Spherical Bearing D131092
DOOSAN  Spherical Bearing D131093	DOOSAN  Needle Bearing D600081	HYSTER  Spherical Bearing 1300919	HYSTER  Spherical Bearing 1374536	HYSTER  Spherical Bearing 1568039
HYSTER  Needle Bearing 176356	HYSTER  Spherical Bearing 185872	HYSTER  Spherical Bearing 192814	HYSTER  Needle Bearing 2026735	HYSTER  Thrust Bearing 2026736
HYSTER  Needle Bearing 2027664	HYSTER  Spherical Bearing 205921	HYSTER  Spherical Bearing 300751	HYSTER  Spherical Bearing 3014177	HYSTER  Spherical Bearing 3025206

HYSTER  Spherical Bearing 3052783	HYSTER  Needle Bearing 48709	HYSTER  Spherical Bearing 887001	KALMAR AC  Needle Bearing 4253263	KALMAR AC  Needle Bearing 4255831
KOMATSU/KALMAR AC  Thrust Bearing 300-27-11170 / 4941351	KOMATSU/KALMAR AC  Needle Bearing 300-27-12170 / 4941355	KOMATSU/KALMAR AC  Needle Bearing 34A-24-11341 / 4941510	KOMATSU/KALMAR AC  Thrust Bearing 34C-24-11310 / 4944981	KOMATSU/KALMAR AC  Needle Bearing 360-27-11171 / 4941754
KOMATSU/KALMAR AC  Thrust Bearing 360-27-13260 / 4941757	KOMATSU/KALMAR AC  Needle Bearing 3BA-25-25190 / 4966514	KOMATSU  Needle Bearing 3BB-24-21130	KOMATSU/KALMAR AC  Spherical Bearing 3EB-24-A2580 / 4949345	KOMATSU/KALMAR AC  Needle Bearing 3EC-24-31780 / 4944945
KOMATSU/KALMAR AC  Spherical Bearing 3ED-24-41170 / 4945475	MITSI / CAT  Needle Bearing 5P3132	MITSI / CAT  Needle Bearing 64343-50400	MITSI / CAT  Spherical Bearing 6V7669	MITSI / CAT  Needle Bearing 7B5670
MITSI / CAT  Needle Bearing 90440-01800	MITSI / CAT  Thrust Bearing 90440-01900	MITSI / CAT  Needle Bearing 91243-01600	MITSI / CAT  Spherical Bearing 91244-01600	MITSI / CAT  Needle Bearing 91443-01600
MITSI / CAT  Thrust Bearing 91443-15600	MITSI / CAT  Spherical Bearing 91444-09600	MITSI / CAT  Spherical Bearing 91B43-05624	MITSI / CAT  Spherical Bearing 91E43-05722	MITSI / CAT  Thrust Bearing 93143-01200

BEARINGS - NEEDLE, THRUST, SPHERICAL

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MITSI / CAT  Spherical Bearing 93743-02600	NISSAN  Needle Bearing 40016-14H00	NISSAN  Needle Bearing 40016-FK000	NISSAN  Thrust Bearing 40030-61500	NISSAN  Thrust Bearing 40030-L1100
NISSAN  Thrust Bearing 40030-L1400	NISSAN  Thrust Bearing 40031-48200	NISSAN  Needle Bearing 48127-61500	NISSAN  Spherical Bearing 48544-44K02	NISSAN  Spherical Bearing 48544-51K02
NISSAN  Spherical Bearing 48544-6K000	RAYMOND  Spherical Bearing 460-690	TCM  Spherical Bearing 215E4-52231	TCM  Thrust Bearing 22194-32222A	TCM  Spherical Bearing 510F2-42211
TCM  Spherical Bearing 54602-42271	TOYOTA  Needle Bearing 31518-23320-71	TOYOTA  Needle Bearing 43228-U2170-71	TOYOTA  Thrust Bearing 43229-13310-71	TOYOTA  Thrust Bearing 43229-23320-71
TOYOTA  Needle Bearing 43232-20540-71	TOYOTA  Spherical Bearing 43734-12620-71	TOYOTA  Spherical Bearing 43735-U2100-71	TOYOTA  Thrust Bearing 80367-76009-71	TOYOTA  Thrust Bearing 97150-06308-71
UNIVERSAL  Spherical Bearing B-74945	UNIVERSAL  Thrust Bearing T-101	UNIVERSAL  Thrust Bearing T-107	UNIVERSAL  Thrust Bearing T-113	UNIVERSAL  Thrust Bearing T-126

UNIVERSAL  Thrust Bearing T-127	UNIVERSAL  Thrust Bearing T-138	UNIVERSAL  Thrust Bearing T-139W	UNIVERSAL  Thrust Bearing T-151	UNIVERSAL  Thrust Bearing T-176
UNIVERSAL  Thrust Bearing T-199	UNIVERSAL  Thrust Bearing T-387	UNIVERSAL  Thrust Bearing T-581	UNIVERSAL  Thrust Bearing T-77	UNIVERSAL  Thrust Bearing T-83
UNIVERSAL  Thrust Bearing T-88	YALE  Spherical Bearing 5025369-04	YALE  Spherical Bearing 5032292-00	YALE  Spherical Bearing 5042242-64	YALE  Spherical Bearing 5059725-65
YALE  Spherical Bearing 5800522-64	YALE  Needle Bearing 9073093-00	YALE  Thrust Bearing 9073103-00	YALE  Needle Bearing 9099324-08	YALE  Thrust Bearing 9504309-12
YALE  Thrust Bearing 9504309-20				

STEER AXLE KNUCKLES

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HYSTER 	HYSTER 	HYSTER 	HYSTER 
1310599	1315425	1464149	1464150
HYSTER 	HYSTER 	KOMATSU / KALMAR AC 	KOMATSU / KALMAR AC 
185853	185854	34B-24-11123 / 4941588	34B-24-11133 / 4941589
KOMATSU / KALMAR AC 	KOMATSU / KALMAR AC 	KOMATSU / KALMAR AC 	KOMATSU / KALMAR AC 
3EB-24-21222A / 4949351	3EB-24-21232A / 4949353	3EB-24-A2550 / 4949342	3EB-24-A2560 / 4949343
MITSI / CAT 	MITSI / CAT 	MITSI / CAT 	MITSI / CAT 
91443-25301	91443-25401	91444-00202	91444-00304
MITSI / CAT 	MITSI / CAT 	MITSI / CAT 	NISSAN 
91E43-10200	93443-02301	93443-02401	40014-0K000-F1

NISSAN



40014-0K400-F1

NISSAN



40014-15H00

NISSAN



40014-1K200-F1

NISSAN



40014-51K05

NISSAN



40015-0K000-F1

NISSAN



40015-0K400-F1

NISSAN



40015-15H00

NISSAN



40015-1K200-F1

TCM



214A4-32221

TCM



214A4-32231

TCM



23654-30421

TCM



23654-30431

TCM



24454-32172

TCM



24454-32202

TOYOTA



04431-20030-71

TOYOTA



04943-20045-71

TOYOTA



43211-22000-71

TOYOTA



43211-22750-71

TOYOTA



43211-23321-71














TOYOTA



43211-23470-71

STEER AXLE KNUCKLES

248

TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	
43211-23471-71	43211-U2100-71	43212-22750-71	43212-23321-71	
TOYOTA 	TOYOTA 	TOYOTA 	YALE 	
43212-23470-71	43212-23471-71	43212-U2100-71	5042242-69	
YALE 	YALE 	YALE 	YALE 	YALE 
5042242-87	5059715-33	5059715-79	5800117-55	5800117-56

HYSTER	
Part#	Side
1310599	Left
1315425	Right
1464149	Right
1464150	Left
185853	Right
185854	Left
KALMAR AC	
Part#	Side
4941588	Right
4941589	Left
4949342	Left
4949343	Right
4949351	Left
4949353	Right
KOMATSU	
Part#	Side
34B-24-11123	Right
34B-24-11133	Left
3EB-24-21222A	Left
3EB-24-21232A	Right

KOMATSU	
Part#	Side
3EB-24-A2550	Left
3EB-24-A2560	Right
MITSI/CAT	
Part#	Side
91443-25301	Left
91443-25401	Right
91444-00202	Left
91444-00304	Right
91E43-10200	Left/Right
93443-02301	Left
93443-02401	Right
NISSAN	
Part#	Side
40014-0K000-F1	Right
40014-0K400-F1	Right
40014-15H00	Right
40014-1K200-F1	Right
40014-51K05	Left/Right
40015-0K000-F1	Left
40015-0K400-F1	Left

NISSAN	
Part#	Side
40015-15H00	Left
40015-1K200-F1	Left
TCM	
Part#	Side
214A4-32221	Right
214A4-32231	Left
23654-30421	Right
23654-30431	Left
24454-32172	Right
24454-32202	Left
TOYOTA	
Part#	Side
04431-20030-71	Right
04431-20040-71	Left
04943-20040-71	Right
04943-20045-71	Left
43211-22000-71	Right
43211-22750-71	Right
43211-23321-71	Right
43211-23470-71	Right

TOYOTA	
Part#	Side
43211-23471-71	Right
43211-U2100-71	Right
43212-22000-71	Left
43212-22750-71	Left
43212-23321-71	Left
43212-23470-71	Left
43212-23471-71	Left
43212-U2100-71	Left
YALE	
Part#	Side
5042242-69	Left
5042242-87	Right
5059715-33	Left
5059715-79	Right
5800117-55	Right
5800117-56	Left



Type
TRE-01



Type
TRE-02



Type
TRE-03



Type
TRE-04



Type
TRE-05



Type
TRE-06



Type
TRE-07



Type
TRE-08



Type
TRE-09



Type
TRE-10



Type
TRE-11



Type
TRE-12



Type
TRE-13



Type
TRE-14



Type
TRE-15



Type
TRE-16



Type
TRE-17



Type
TRE-18



Type
TRE-19



Type
TRE-20

STEERING LINKAGE

250



Type
TRE-21



Type
TRE-22



Type
TRE-23



Type
TRE-24



Type
TRE-25



Type
TRE-26



Type
TRE-27



Type
SLD-01



Type
SLD-02



Type
SLD-03



Type
SLD-04



Type
SLD-05



Type
SLD-06



Type
SLD-07



Type
SLD-08



Type
SLD-09



Type
SLD-10



Type
SLD-11



Type
SLD-12



Type
SLD-13



Type
SLD-14



Type
SLD-15



Type
SLD-16



Type
SLD-17



Type
SLD-18



Type
SLD-19



Type
SLD-20



Type
SLD-21



Type
SLD-22



Type
SLD-23



Type
SLD-24



Type
SLD-25



Type
SLD-26



Type
SLD-27



Type
SLD-28



Type
SLD-29



Type
SLD-30



Type
SLD-31



Type
SLD-32



Type
SLD-33

STEERING LINKAGE

252



Type
SLD-34



Type
SLD-35



Type
SLD-36



Type
SLD-37



Type
SLD-38



Type
SLS-01



Type
SLS-02



Type
SLS-03



Type
SLS-04



Type
SLS-05



Type
SLS-06



Type
SLS-07



Type
SLS-08



Type
SLS-09



Type
SLS-10



Type
SLS-11



Type
SLS-12

CLARK

Part#	Type
2776545	SLS-01
2789525	TRE-05
2799254	SLS-02
841038	TRE-20
841039	TRE-21
841042	TRE-22
841118	TRE-21

HYSTER

Part#	Type
185870	TRE-01
2021791	SLD-10
2022777	SLD-12
2026733	SLD-09
2027391	TRE-23
2027400	TRE-08
2027586	TRE-26
2027642	TRE-24
2027643	TRE-26
2029624	SLD-15
381298	SLS-05

KALMAR AC

Part#	Type
4940925	TRE-08
4941399	TRE-06
4941597	TRE-06
4941746	TRE-07
4944615	TRE-09
4944616	TRE-09
4949340	SLD-27
4949341	SLD-28
4949359	TRE-04
4949360	TRE-04
4949363	SLD-29
4949364	SLD-30
4966515	SLD-17
4966516	SLD-18
4967303	SLD-23
4967304	SLD-24
4974357	SLD-19
4974358	SLD-20
8761507	SLD-21
8761508	SLD-22
8762933	SLD-04
8762934	SLD-05

KOMATSU

Part#	Type
34B-24-11700	TRE-06
3EA-24-31310	TRE-07
3EA-24-31410	TRE-07
3EA-24-35110	SLD-04
3EA-24-35120	SLD-05
3EA-25-35110	SLD-37
3EA-25-35120	SLD-38
3EA-25-A2220	SLD-17
3EA-25-A2230	SLD-18

KOMATSU

Part#	Type
3EB-24-11200	TRE-08
3EB-24-11410	TRE-06
3EB-24-21311	TRE-04
3EB-24-21411	TRE-04
3EB-24-35110SA	SLD-21
3EB-24-35120SA	SLD-22
3EB-24-A2530	SLD-27
3EB-24-A2540	SLD-28
3EB-25-A2530	SLD-29
3EB-25-A2540	SLD-30
3EC-24-11500	TRE-09
3EC-24-11600	TRE-09
3EC-24-15230	SLD-23
3EC-24-15240	SLD-24
3EC-25-15210	SLD-19
3EC-25-15220	SLD-20

MITSI/CAT

Part#	Type
2I5404	TRE-25
91243-21100	TRE-25
91243-31200	TRE-25
91243-35300	TRE-26
91243-35700	TRE-26
91244-00603	SLD-11
91254-09100	TRE-25
91255-30800	TRE-27
91844-20601	SLD-25
91844-20702	SLD-26
91B43-10500	SLD-31
91E43-10500	SLD-32
91E43-10600	SLD-33
93043-01200	SLD-16
93043-01300	SLD-13
93143-00900	TRE-25
93143-01301	TRE-26
93E43-00500	SLD-34

NISSAN

Part#	Type
48511-FJ101	SLD-31
48511-FK001	SLD-33
48511-FL000	SLD-35
48512-44K00	SLS-06
48512-51K00	SLS-07
48512-51K01	SLS-08
48512-FK001	SLD-32
48512-FL000	SLD-36
48512-FL100	SLD-34
48520-00H04	TRE-16
48520-10H04	TRE-17
48520-L1100	TRE-18
48520-L6001	TRE-19
48521-50H00	TRE-19
48521-L1100	TRE-18

TCM

Part#	Type
212R4-32001	SLD-01
215B4-30281	TRE-02
215E4-32262	SLD-03
23454-30702	TRE-03
23454-30802	TRE-03
24234-30551	TRE-04
24234-30561	TRE-04
514A2-40561	TRE-14
514A2-40581	TRE-11
FA12T432101	SLD-02

TOYOTA

Part#	Type
43350-22750-71	TRE-10
43360-22750-71	TRE-10
43750-20542-71	TRE-18
43750-22750-71	TRE-11
43750-23610-71	TRE-12
43751-13311-71	SLS-03
43751-13360-71	SLS-03
43751-16640-71	SLS-12
43751-23320-71	SLD-06
43751-23440-71	SLS-11
43751-33240-71	SLD-06
43752-13310-71	SLS-04
43752-13360-71	SLS-04
43752-16640-71	SLS-04
43752-23320-71	SLD-07
43752-23442-71	SLS-10
43752-33240-71	SLD-07
43753-13311-71	SLS-09
43760-12620-71	TRE-13
43760-20542-71	TRE-18
43760-22750-71	TRE-14
43760-23610-71	TRE-15
43760-30871-71	TRE-04
45660-20541-71	TRE-04

YALE

Part#	Type
5042242-00	TRE-01
5042242-19	TRE-01
5059725-30	SLS-05
5241623-04	TRE-06
5241623-09	TRE-24
5241623-10	TRE-23
9002583-00	TRE-26
9005403-02	TRE-08
9025064-02	TRE-26
9091924-01	TRE-26
9115754-00	SLD-08
9116054-00	SLD-09
9124396-02	SLD-10
9129876-02	SLD-12
9151354-00	SLD-14
9151364-00	SLD-15

** Style is for physical reference only. The same style does not mean parts are interchangeable. Most Tie Rod Ends come in both right hand and left hand threads. **




















TRE = Tie Rod End

SLD = Steering Linkages Double

SLS = Steering Linkage Single

STEER AXLE BUSHINGS/MOUNTS

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HYSTER  2021804	HYSTER  324864	KOMATSU KALMAR AC  34A-42-11411 / 4941533	KOMATSU KALMAR AC  3EA-41-11870 / 4940594	MITSI/CAT  05605-04040
MITSI/CAT  05605-05030	MITSI/CAT  05605-05040	MITSI/CAT  91E43-20900	NISSAN  40005-11H01	NISSAN  40005-11H02
NISSAN  40005-50K02	NISSAN  40005-BRASS	NISSAN  40005-L1100	NISSAN  40005-L6000	TCM  214A6-12601
TCM  23656-12621	TCM  24236-12581	TOYOTA  43411-U2100-71	TOYOTA  43421-23320-71	TOYOTA  51313-22750-71
TOYOTA  51313-23000-71	YALE  5042242-40	YALE  9087803-00	YALE  9122933-00	YALE  9166673-00

KALMAR AC


4940922

KALMAR AC


4949354

KOMATSU


34B-24-11313

KOMATSU


3EB-24-11122

KOMATSU


3EB-24-21242

MITSI / CAT


91243-20200

TCM


214A4-30151

TCM


22674-30212

TCM


23654-30441

TCM


24454-30512A

TOYOTA


43611-22001-71

TOYOTA


43611-23000-71

CLARK

Part#	Description
1310275	Spherical Bearing
1811394	King Pin Repair Kit
1811919	King Pin Repair Kit
2794459	Spherical Bearing
3738052	Grease Fitting
3769133	King Pin Repair Kit
3777091	Spherical Bearing
3799599	Spherical Bearing
3799773	Spherical Bearing
444590	Spherical Bearing
445415	Needle Bearing
445518	Steer Axle Oil Seal
675227	Needle Bearing
711120	Needle Bearing
763780	Spherical Bearing
925457	Castle Nut
927811	Spherical Bearing
952319	Grease Fitting

CROWN

Part#	Description
065012-007	Spherical Bearing
65012-1	Spherical Bearing

DOOSAN

Part#	Description
6V1506	Grease Fitting
A132656	Needle Bearing
D131092	Spherical Bearing
D131093	Spherical Bearing
D600081	Needle Bearing
D700574	Shim
D700575	Shim
D700576	King Pin
D700577	King Pin Seal
D700583	Steer Link Pin
D700584	King Pin Seal
K1022544	Steer Axle Oil Seal

HYSTER

Part#	Description
109169	Plug
1194451	Plug
136687	Nut
1374536	Spherical Bearing
13957	Grease Fitting
13960	Grease Fitting
1495638	Castle Nut
153716	Steer Axle Oil Seal
153717	Wear Sleeve
1568039	Spherical Bearing
1568271	Tie Rod Pin
16015	Grease Fitting
16041	Grease Fitting
176356	Needle Bearing
177413	Grease Fitting
185856	Shim
185857	Shim
185860	Plug

HYSTER

Part#	Description
192814	Spherical Bearing
2021793	Tie Rod Pin
2021794	Steer Axle Bushing
2021892	Nut
2022554	Grease Fitting
2022555	Plug
2023009	Shim
2023403	Grease Fitting
2026734	King Pin
2026735	Needle Bearing
2026736	Thrust Bearing
2026738	Shim
2026739	Steer Axle Oil Seal
2027385	Castle Nut
2027664	Needle Bearing
2034333	Grease Fitting
205921	Spherical Bearing
230421	Cup Bearing
2305757	Grease Fitting
266733	Steer Axle Oil Seal
300751	Spherical Bearing
300752	Washer
3014177	Spherical Bearing
30232	Cup Bearing
3025206	Spherical Bearing
3052783	Spherical Bearing
326498	Tie Rod Pin
334717	King Pin Repair Kit
48709	Needle Bearing
58903	Snap Ring
996013	King Pin Repair Kit

KALMAR AC

Part#	Description
4253263	Needle Bearing
4255831	Needle Bearing
4920059	Grease Fitting
4940139	Castle Nut
4940141	Castle Nut
4940281	Grease Fitting
4940282	Grease Fitting
4940283	Grease Fitting
4940284	Grease Fitting
4940293	Plug
4940295	Plug
4941351	Thrust Bearing
4941355	Needle Bearing
4941504	King Pin
4941505	Shim
4941506	Shim
4941508	Grease Fitting
4941510	Needle Bearing
4941511	Steer Axle Oil Seal
4941590	King Pin
4941593	Center Pin
4941754	Needle Bearing
4941755	Shim
4941757	Thrust Bearing
4942597	King Pin Repair Kit

KALMAR AC

Part#	Description
4942598	King Pin
4944945	Needle Bearing
4944980	Shim
4944981	Thrust Bearing
4945204	Castle Nut
4945475	Spherical Bearing
4949344	Tie Rod Bolt
4949345	Spherical Bearing
4949346	Center Pin Repair Kit
4949347	King Pin Repair Kit
4949361	Tie Rod Bolt
4949919	King Pin Repair Kit
4966508	King Pin
4966514	Needle Bearing
4967343	Tie Rod Bolt
4968298	Grease Fitting
8761509	Tie Rod Bolt
8761510	Nut
8761511	Tie Rod Bolt
8764087	Tie Rod Bolt
8765228	King Pin
8765229	Steer Axle Oil Seal
914687	Grease Fitting
923219	Grease Fitting

KOMATSU

Part#	Description
01103-08016	Steer Link Bolt
01593-11411	Castle Nut
01593-12013	Castle Nut
01593-31613	Nut
01593-31813	Castle Nut
07020-00000	Grease Fitting
07020-00001	Grease Fitting
07020-00675	Grease Fitting
07020-00900	Grease Fitting
07046-13520	Plug
07046-14020	Plug
300-27-11170	Thrust Bearing
300-27-12170	Needle Bearing
307-807-1850	Grease Fitting
330-27-11350	Grease Fitting
34A-24-11142	King Pin
34A-24-11150	Shim
34A-24-11160	Shim
34A-24-11341	Needle Bearing
34A-24-11351	Steer Axle Oil Seal
34A-34-12610	Steer Axle Oil Seal
34B-24-11141	King Pin
34B-24-11321	Center Pin
34C-24-11160	Shim
34C-24-11310	Thrust Bearing
34C-24-11320	Steer Axle Oil Seal
360-27-11171	Needle Bearing
360-27-11220	Shim
360-27-13260	Thrust Bearing
360-27-13280	Shim
3BA-25-25180	King Pin
3BA-25-25190	Needle Bearing

KOMATSU

Part#	Description
3BB-24-21130	Needle Bearing
3EA-24-05030	King Pin Repair Kit
3EB-24-05050	Center Pin Kit
3EB-24-05060	King Pin Repair Kit
3EB-24-21581	Tie Rod Bolt
3EB-24-35130	Tie Rod Bolt
3EB-24-35140	Tie Rod Bolt
3EB-24-A2570	Tie Rod Bolt
3EB-24-A2580	Spherical Bearing
3EC-24-05010	King Pin Repair Kit
3EC-24-11230	King Pin
3EC-24-31670	King Pin
3EC-24-31690	Tie Rod Bolt
3EC-24-31780	Needle Bearing
3ED-24-41170	Spherical Bearing
3ED-24-41261	Tie Rod Bolt
3ED-24-41270	Tie Rod Bolt

MITSI / CAT

Part#	Description
05541-11600	Grease Fitting
05541-12600	Fitting
05541-12610	Grease Fitting
363989	Steering Seal
5P3132	Needle Bearing
64343-11600	Washer
64343-18801	Bolt Stopper
64343-44200	Washer
64343-50400	Needle Bearing
6R6959	Shim
6R6960	Shim
6R6961	King Pin
6R6966	King Pin Seal
6V7669	Spherical Bearing
6V8406	Steer Axle Oil Seal
7B5670	Needle Bearing
90440-01800	Needle Bearing
90440-01900	Thrust Bearing
90543-03700	Retainer
908169	Steer Link Pin
908170	King Pin Seal
91243-01600	Needle Bearing
91243-03400	Washer
91243-05400	Center Pin
91243-10600	King Pin
91244-01200	Spacer
91244-01400	Steer Axle Oil Seal
91244-01500	Ring
91244-01600	Spherical Bearing
91244-01700	Retainer
91244-01800	Knuckle Cover
91244-01900	Knuckle Boot
91244-05300	Shim
91244-10400	King Pin
91244-10700	Tie Rod Pin
91244-12100	King Pin Cap
91443-01600	Needle Bearing
91443-03100	Washer
91443-06200	Washer

MITSI / CAT

Part#	Description
91443-06300	Washer
91443-15600	Thrust Bearing
91443-20600	King Pin
91444-01500	Ring
91444-01600	Oil Seal
91444-01700	Oil Seal Retainer
91444-01802	Cover
91444-01900	Boot
91444-09600	Spherical Bearing
91444-10400	King Pin
91444-10700	Tie Rod Pin
91444-11300	Retainer
91444-11400	Dust Seal
91444-12100	King Pin Cap
91A43-02300	Steer Axle Oil Seal
91A43-10700	Tie Rod Pin
91B43-05500	Steer Axle Bushing
91B43-05624	Spherical Bearing
91E43-00700	Tie Rod Pin
91E43-01700	Retainer
91E43-05500	Steer Axle Bushing
91E43-05722	Spherical Bearing
91E43-11300	Steer Axle Oil Seal
91E43-11800	Dust Seal
91E43-20400	King Pin
93143-01200	Thrust Bearing
93143-02300	Center Pin
93143-02600	King Pin
93743-02600	Spherical Bearing
F1035-06014	Bolt
F2320-10000	Nut
F2335-16000	Nut
F2500-06000	Washer
F2515-06000	Washer
F2850-08050	Spring Pin
F3016-04223	Oil Seal
F3016-04823	Oil Seal
F3016-05223	Oil Seal
F3150-03000	O-Ring
F3150-03500	O-Ring
F3150-03600	O-Ring
F3150-04600	O-Ring
F3200-01500	Snap Ring
F3303-10000	Grease Fitting
F3304-10000	Grease Fitting
F3305-10000	Grease Fitting

NISSAN

Part#	Description
00922-1165A	Snap Ring
00932-1011A	Grease Fitting
00932-10200	Grease Fitting
00932-20100	Grease Fitting
00932-2011A	Grease Fitting
00932-30100	Grease Fitting
00933-33500	Plug
08911-04610	Nut
08911-0461A	Nut
08911-1461A	Nut

NISSAN

Part#	Description
08932-30210	Grease Fitting
40016-14H00	Needle Bearing
40016-FK000	Needle Bearing
40022-00H26	King Pin Repair Kit
40022-11H26	King Pin Repair Kit
40022-44K25	King Pin Repair Kit
40022-51K25	King Pin Repair Kit
40022-FK000	King Pin
40022-L1125	King Pin Repair Kit
40022-L6026	King Pin Repair Kit
40024-L1100	Steer Axle Oil Seal
40025-47600	Plug
40030-61500	Thrust Bearing
40030-L1100	Thrust Bearing
40030-L1400	Thrust Bearing
40031-48200	Thrust Bearing
40033-48200	Shim
46568-20H00	Grease Fitting
48127-61500	Needle Bearing
48513-00H02	Clevis Pin
48513-00H03	Clevis Pin
48513-00H04	Clevis Pin
48513-51K00	Clevis Pin
48513-51K02	Clevis Pin
48513-FJ10B	Tie Rod Pin
48513-FK00A	Tie Rod Pin
48522-00H00	Steer Axle Oil Seal
48522-FJ101	Steer Axle Oil Seal
48525-FJ100	Steer Axle Oil Seal
48525-FK000	Steer Axle Oil Seal
48525-FL000	Steer Axle Oil Seal
48544-44K02	Spherical Bearing
48544-51K02	Spherical Bearing
48593-FJ100	Spacer
48594-FJ100	Retainer
48594-FK000	Retainer
48594-FL000	Retainer
49534-00H00	Bushing
49534-6K000	Bushing
58645-20H00	Grease Fitting

RAYMOND

Part#	Description
460-690	Spherical Bearing

TCM

Part#	Description
01400-00024	Castle Nut
01412-10016	Castle Nut
212T4-32131	Tie Rod Pin
214A4-39801	King Pin Repair Kit
214A4-39811	Center Pin Repair Kit
215B4-52151	Collar
215E4-32262	Tie Rod End
215E4-52231	Spherical Bearing
215E4-52301	Collar
22194-32222A	Thrust Bearing
22434-39801	King Pin Repair Kit
22B54-32171	Tie Rod Pin

TCM

Part#	Description
22N54-32151	Tie Rod Pin
22N54-32451	Tie Rod Pin
23204-32072	King Pin
23654-39801	King Pin Repair Kit
23654-39811	Center Pin Repair Kit
23814-30041	Center Pin
24234-32131	Center Pin
24234-32182	King Pin
24234-39802	King Pin Repair Kit
24234-39803	King Pin Repair Kit
24234-39811	Center Pin Repair Kit
24234-39813	Center Pin Repair Kit
24354-32432	King Pin
24454-32161	Center Pin
24454-32232	King Pin
24454-39812	Center Pin Repair Kit
25844-32162	King Pin
510F2-42211	Spherical Bearing
510F2-42301	Tie Rod Pin
514A2-42721	Tie Rod Pin
54602-42271	Spherical Bearing
FA12T4-32131	Tie Rod Pin

TOYOTA

Part#	Description
04431-20052-71	King Pin Repair Kit
04431-20060-71	Center Pin Kit
04432-10080-71	King Pin Repair Kit
04432-10100-71	King Pin Repair Kit
04432-10120-71	King Pin Repair Kit
04432-20010-71	King Pin Repair Kit
04432-20020-71	King Pin Repair Kit
04432-20061-71	King Pin Repair Kit
04432-20080-71	King Pin Repair Kit
04432-U1010-71	King Pin Repair Kit
04432-U1030-71	King Pin Repair Kit
04432-U2013-71	King Pin Repair Kit
04432-U2020-71	King Pin Repair Kit
04432-U2021-71	King Pin Repair Kit
04436-20010-71	Center Pin Kit
31327-23000-71	Bushing
31518-23320-71	Needle Bearing
43155-20540-71	Claw Washer
43155-U2100-71	Claw Washer
43213-12620-71	King Pin
43213-23320-71	Washer
43213-31710-71	King Pin
43218-20540-71	Steer Axle Oil Seal
43218-U2100-71	Steer Axle Oil Seal
43228-U2170-71	Needle Bearing
43229-13310-71	Thrust Bearing
43229-23320-71	Thrust Bearing
43231-22750-71	King Pin
43231-22751-71	King Pin
43231-23600-71	King Pin
43231-U1130-71	King Pin
43231-U1200-71	King Pin
43231-U1250-71	King Pin
43231-U2100-71	King Pin

TOYOTA


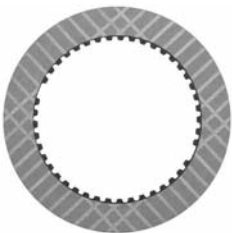



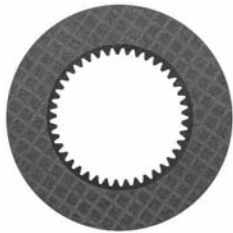




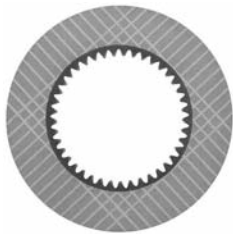
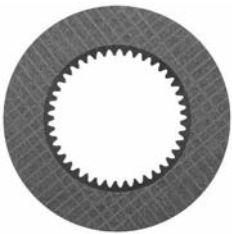
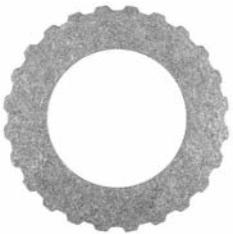
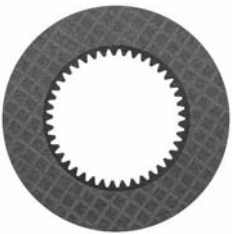
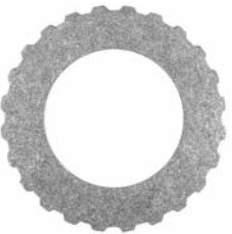
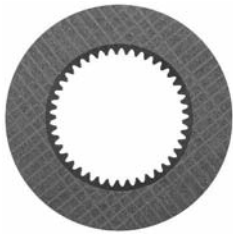
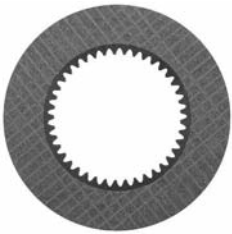
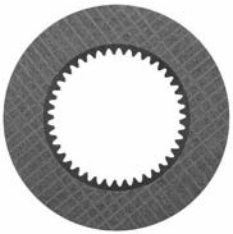
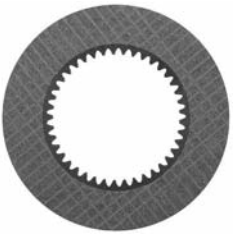
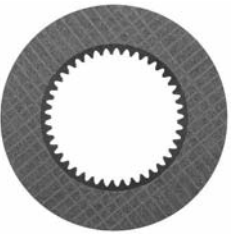
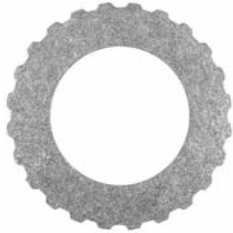
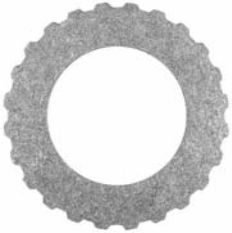



Part#	Description
43232-20540-71	Needle Bearing
43232-9NML8-71	King Pin
43232-U2170-71	King Pin
43232-U2230-71	King Pin
43232-U3270-71	King Pin
43232-U3271-71	King Pin
43233-23320-71	Steer Axle Oil Seal
43237-13310-71	Steer Axle Plate
43237-23320-71	Steer Axle Plate
43602-13310-71	Sub Assembly Pin
43603-23320-71	Sub Assembly Pin
43631-13600-71	Center Pin
43631-23600-71	Center Pin
43722-31710-71	Link Pin
43731-12620-71	Tie Rod Pin
43731-13311-71	Tie Rod Pin
43731-13360-71	Tie Rod Pin
43731-23322-71	Tie Rod Pin
43731-23442-71	Tie Rod Pin
43731-30512-71	Link Pin
43732-23420-71	Stopper Plate
43734-12620-71	Spherical Bearing
43735-13310-71	Collar
43735-23320-71	Collar
43735-23440-71	Collar
43735-U2100-71	Spherical Bearing
43741-U1130-71	Tie Rod Pin
43741-U2100-71	Tie Rod Pin
43753-13311-71	Steering Link
43753-23320-71	Tie Rod Pin
43754-23320-71	Washer
43755-23440-71	Washer
45648-10180-71	Castle Nut
45932-20541-71	Steer Axle Oil Seal
76315-10110-71	Nut
80330-76010-71	Plug
80367-76009-71	Thrust Bearing
84145-76002-71	Castle Nut
86451-76001-71	Grease Fitting
86451-76003-71	Grease Fitting
86456-76002-71	Grease Fitting
86456-76003-71	Grease Fitting
90171-16001-71	Nut
90171-16002-71	Castle Nut
90171-24116-71	Castle Nut
90564-28002-71	Shim
94146-41600-71	Castle Nut
96150-30150-71	Snap Ring
97150-06308-71	Thrust Bearing

YALE

Part#	Description
0121569-00	Plug
0156287-00	Grease Fitting
0156309-00	Grease Fitting
0156315-00	Grease Fitting
0159182-00	Snap Ring
4490150-02	Nut
4490760-05	Grease Fitting

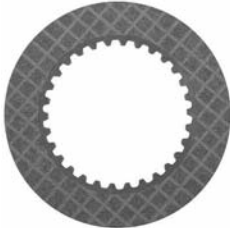
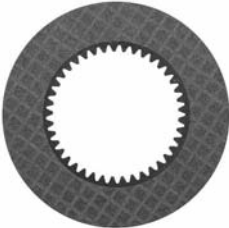


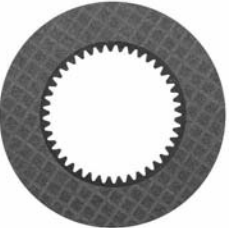
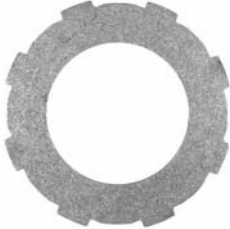
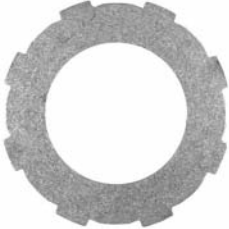




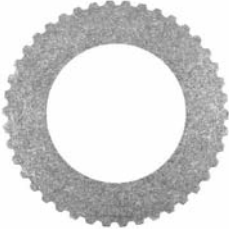
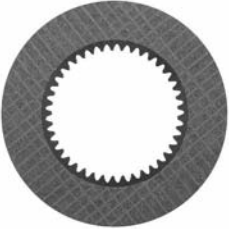

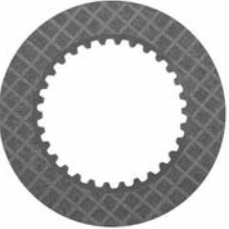


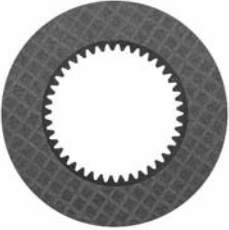

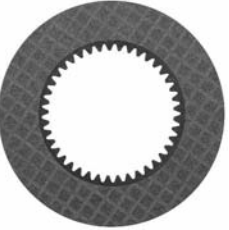
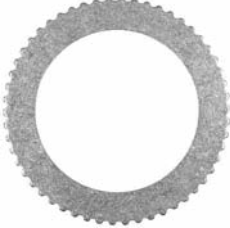
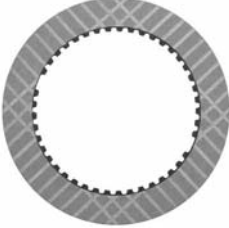
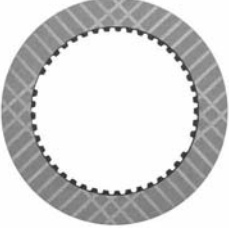
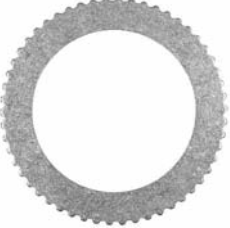
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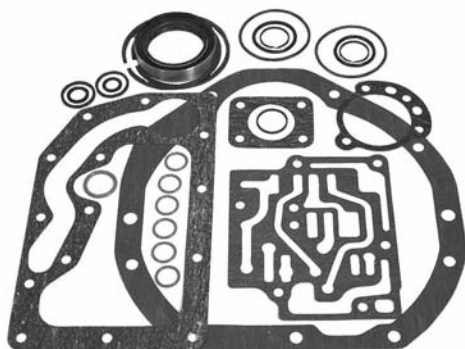
Part#	Description
5021399-01	Grease Fitting
5025369-04	Spherical Bearing
5032292-00	Spherical Bearing
5042242-22	Shim
5042242-31	Wear Sleeve
5042242-32	Shim
5042242-42	Steer Axle Oil Seal
5042242-64	Spherical Bearing
5042242-66	Plug
5042242-92	Shim
5042242-98	Steer Axle Oil Seal
5042252-36	O-Ring
5059725-65	Spherical Bearing
5059725-90	Washer
5059745-56	King Pin Repair Kit
5184820-01	King Pin Repair Kit
5184820-02	Center Pin Repair Kit
5184820-05	King Pin Repair Kit
5184820-09	King Pin Repair Kit
5184820-10	Center Pin Repair Kit
5184820-11	King Pin Repair Kit
5184820-12	Center Pin Repair Kit
5188036-35	King Pin Repair Kit
5800243-41	Castle Nut
5800327-67	Castle Nut
5800522-64	Spherical Bearing
5800523-60	Tie Rod Pin
9001008-06	Castle Nut
9061501-00	Steer Axle Oil Seal
9073093-00	Needle Bearing
9073103-00	Thrust Bearing
9090193-02	Shim
9090193-03	Shim
9090193-09	Shim
9099324-08	Needle Bearing
9119823-00	Tie Rod Pin
9119833-00	Steer Axle Bushing
9124103-00	King Pin
9375019-05	Nut
9504309-12	Thrust Bearing
9504309-20	Thrust Bearing
9537009-02	Grease Fitting
9537019-01	Grease Fitting
9591009-11	Plug

HYSTER  Plate 1387235	HYSTER  Friction Plate 1469301	HYSTER  Plate 334417	KOMATSU/KALMAR AC  Plate 324-15-12650 / 4941481	KOMATSU/KALMAR AC  Friction Plate 34B-15-11340 / 4941581
KOMATSU/KALMAR AC  Friction Plate 3EA-15-11173 / 4940457	KOMATSU/KALMAR AC  Plate 3EA-15-11180 / 4940458	KOMATSU  Plate AS35633-3400	KOMATSU  Friction Plate AS35634-3400	MITSI / CAT  Plate 65425-23800
MITSI / CAT  Friction Plate 91224-16500	MITSI / CAT  Friction Plate 91324-02702	MITSI / CAT  Plate 91324-12601	MITSI / CAT  Friction Plate 91B24-00800	MITSI / CAT  Plate 93A24-02300
MITSI / CAT  Friction Plate 93A24-02400	NISSAN  Friction Plate 31532-25H01	NISSAN  Friction Plate 31532-40K00	NISSAN  Friction Plate 31532-41K00	NISSAN  Friction Plate 31532-FJ100
NISSAN  Plate 31536-41K00	NISSAN  Plate 31536-FJ100	NISSAN  Plate 31536-L1002	NISSAN  Plate 31536-L1500	TCM  Plate 112T2-52261

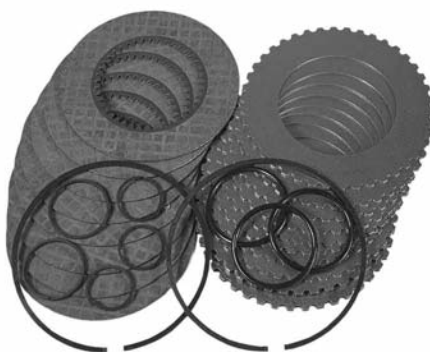
TRANSMISSION PLATES

260

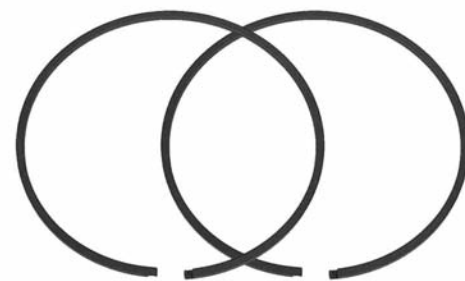
TCM  Friction Plate 112T2-52281	TCM  Friction Plate 115G3-82751	TCM  Plate 115G3-82761	TCM  Friction Plate 123S3-82111	TCM  Friction Plate 20802-51971
TCM  Plate AE-602894-102	TCM  Plate BK-708-900-900	TOYOTA  Plate 32425-U2170-71	TOYOTA  Plate 32431-12050-71	TOYOTA  Plate 32431-23330-71
TOYOTA  Plate 32431-23630-71	TOYOTA  Plate 32441-U1130-71	TOYOTA  Friction Plate 32442-U1130-71	TOYOTA  Friction Plate 32461-23030-71	TOYOTA  Friction Plate 32461-23330-71
TOYOTA  Friction Plate 32461-23630-71	TOYOTA  Plate 32461-U2170-71	TOYOTA  Friction Plate 40511-20060-71	TOYOTA  Plate 40512-20060-71	TOYOTA  Friction Plate 40718-10150-71
YALE  Plate 5059715-78	YALE  Friction Plate 5800145-55	YALE  Friction Plate 5800195-16	YALE  Plate 5800200-36	



Transmission Repair Kit
KIT TYPE "A"



Transmission Overhaul Kit
KIT TYPE "B"



Transmission Rings
KIT TYPE "C"

HYSTER

Part#	Kit Type
1543105	A
2026434	B
2026435	B
352075	A

KALMAR AC

Part#	Kit Type
4942556	A
4942570	A
4949266	A
4949917	A

KOMATSU

Part#	Kit Type
3EA-15-05010	A
3EA-15-05051	A
3EB-15-05010	A
3EB-15-05051	A
AS04323-3600	A

MITSUBISHI / CATERPILLAR

Part#	Kit Type
91124-30028	A

NISSAN

Part#	Kit Type
31010-L1525	A
31090-00H26	A
31095-00H26	A
31412-00H00	C
31487-00H00	C
31516-40K00	C
31516-L1001	C
31517-00H00	C

TCM

Part#	Kit Type
112T2-59801	A

TOYOTA

Part#	Kit Type
04321-20395-71	A
04321-20572-71	A
04321-20611-71	A
04321-20651-71	A
04321-20670-71	A
04321-20680-71	A
04321-20681-71	A

YALE

Part#	Kit Type
5059745-19	A
5800607-56	B
9011948-52	B
9011948-90	B
9012338-52	B
9014638-54	B
9014658-54	B
9018888-51	B
9020508-71	B

CLUTCH COVERS/PLATES

262

KOMATSU



34A-10-61190

KOMATSU



34A-10-81210

KOMATSU



34B-10-11171

KOMATSU



3EA-10-14130

KOMATSU



3EB-10-11510

KOMATSU



3EB-10-21610

KOMATSU



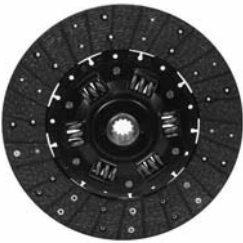
3EB-10-21810

MITSI / CAT



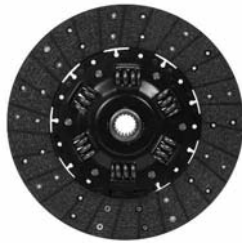
91221-05010

MITSI / CAT



91221-25300

NISSAN



30100-11H00

NISSAN



30100-L1418

NISSAN



30210-49200

NISSAN



30210-L0146

NISSAN



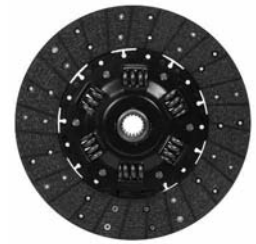
30210-L1112

TCM



12573-12041

TCM



12673-10202

TCM



129F3-12041A

TCM



13033-12251

TCM



13453-10402




TCM



30100-06560

TCM  30210-49246	TOYOTA  31210-10480-71	TOYOTA  31210-20551-71	TOYOTA  31250-12360-71
TOYOTA  31250-26600-71	TOYOTA  31280-23600-71	TOYOTA  31560-30960-71	YALE  9179994-00

THROW-OUT BEARINGS

 Type A Outer Diameter 3.69" (93.95mm) Inner Diameter 2.047" (51.87mm)	 Type B Outer Diameter 3.458" (87.85mm) Inner Diameter 2.149" (54.60mm)	 Type C Outer Diameter 2.874" (73mm) Inner Diameter 1.763" (44.80mm)
--	---	--

KOMATSU		MITSI/CAT		NISSAN		TCM		TOYOTA	
Part#	Type	Part#	Type	Part#	Type	Part#	Type	Part#	Type
307-14-11750	C	ME620330	C	03127-04502	A	03127-04502	A	31235-10480-71	A
34A-10-61260	A			13453-12031	B	13453-12031	B	31235-30200-71	B
13453-12031	B								

CONTROL VALVE LEVERS

 HYSTER / YALE 1385761 / 5200451-49	 TOYOTA 33501-23010-71	 TOYOTA 67881-15290-71
--	--	---

HYSTER



FE

1352550

HYSTER



FE

1378558

HYSTER



GM 3.0L

1389359

HYSTER



GM 4.3L

1399298

HYSTER



D5

2021352

HYSTER



FE

2021362

KOMATSU



H20

12310-K7323

KOMATSU/KALMAR AC



H20II

12331-50K01 / 4969869

KOMATSU/KALMAR AC



H20

12331-L1003 / 4942188

MITSI/CAT



K21 & K25

91H20-01120

NISSAN



SD25

12310-10H01

NISSAN



K21 & K25

12310-FU400

NISSAN



K21 & K25

12310-GY360

NISSAN



H20

12331-00H01

NISSAN



Z24

12331-20H01

NISSAN



TD27

12331-40K00

NISSAN



H20II

12331-50K01

NISSAN



H20

12331-L1003

NISSAN



J15 & H20











12331-L1012

TOYOTA



5R

32101-20581-71

TOYOTA  4Y 32101-23030-71	TOYOTA  4Y 32101-U2100-71	YALE  F2 & FE 5059725-53	YALE  F2 & FE 5800001-41
YALE  GM 3.0L 5800003-45	YALE  GM 4.3L 5800091-25	YALE  VA 9032334-00	YALE  D5 9103134-00
YALE  F2 & FE 9139984-00	YALE  FE 9273294-00		

RING GEARS

CLARK	
Part#	Engine
4312161	4G32, 4G52 & 4G54
909180	4G32, 4G52 & 4G54
918330	4G63 & 4G64
DAEWOO	
Part#	Engine
A218149	4G64
HYSTER	
Part#	Engine
1359983	FE
1371595	GM 3.0L
2021361	D5
KALMAR AC	
Part#	Engine
4920134	4G52 & 4G54
4942183	H20

KALMAR AC	
Part#	Engine
4969866	H20 II
KOMATSU	
Part#	Engine
12312-50K00	H20 II
12312-L1102	H20
MITSU / CAT	
Part#	Engine
91H20-01130	K21 & K25
MD153955	4G63 & 4G64
MM114747	4G33, 4G52 & 4G54
NISSAN	
Part#	Engine
12312-50K00	H20 II
12312-L1102	H20

TCM	
Part#	Engine
12312-50K00	H20 II
12312-L1102	H20
TOYOTA	
Part#	Engine
13453-20540-71	5R
YALE	
Part#	Engine
5800107-05	GM 3.0L
9103154-00	D5
9273284-01	FE & F2
9273284-02	FE & F2

MAST BUSHINGS

266

CASCADE



687362

CASCADE



687382

CASCADE



687383

HYSTER



1332714

HYSTER



1332715

HYSTER



1333385

HYSTER



2053761

KOMATSU



3EA-71-31291

KOMATSU / KALMAR AC



3EB-71-11291 / 4941273

MITSI / CAT



94010-09500

MITSI / CAT



94110-40801

MITSI / CAT



94210-50300

MITSI / CAT



94211-16900

NISSAN



59151-50K00

NISSAN



59151-FE000

NISSAN


59151-FJ000

NISSAN


59151-L1101

NISSAN


59151-L1110

NISSAN


59151-L1161

TCM


214A8-02201

TOYOTA


61251-23600-71

TOYOTA


61251-U2100-71

TOYOTA


65515-31960-71

TOYOTA


65515-U3330-71

TOYOTA


76149-10110-71

YALE


5059655-85

YALE


5241644-17

YALE


9075094-00

YALE


9076024-00

YALE


9122293-00



DAEWOO

Part#	Description
D581796	Bolt, Anchor

HYSTER

Part#	Description
1354907	Bracket
1365140	Bolt, Anchor
1369344	Bolt, Anchor
1369345	Bolt, Anchor
1369357	Bolt, Anchor
1381772	Bracket
1395285	Bracket
1395291	Bracket
1395292	Bracket
1480392	Bolt, Anchor
1518932	Bracket
225550	Bolt, Anchor
297569	Bolt, Anchor
320313	Bolt, Anchor
351667	Bolt, Anchor
358287	Bracket
373675	Bracket

MITSI / CAT

Part#	Description
94190-00098	Bolt, Anchor
94190-10018	Bolt, Anchor
94290-80600	Bolt, Anchor
94390-01018	Bolt, Anchor

NISSAN

Part#	Description
59431-03H00	Bolt, Anchor
59433-40K01	Bolt, Anchor



TCM

Part#	Description
23168-42001	Bolt, Anchor
23500-82001	Bolt, Anchor
24239-44101	Bolt, Anchor
24239-44111	Bolt, Anchor
24459-42381	Bolt, Anchor
52672-72231	Bolt, Anchor

TOYOTA

Part#	Description
04631-10330-71	Bolt, Anchor
04631-10390-71	Bolt, Anchor
04631-20230-71	Bolt, Anchor
04631-20260-71	Bolt, Anchor
04631-20301-71	Bolt, Anchor
04631-20381-71	Bolt, Anchor
04631-30180-71	Bolt, Anchor
04631-30260-71	Bolt, Anchor
04631-30470-71	Bolt, Anchor
04631-30491-71	Bolt, Anchor
04631-30511-71	Bolt, Anchor
61238-U2100-71	Shim
68242-22780-71	Bracket
68705-22780-71	Bracket
68794-22780-71	Clamp
68795-22800-71	Clamp
68796-22800-71	Clamp
68805-25100-71	Stopper
68805-U2110-71	Stopper
68805-U2180-71	Stopper
68805-U3110-71	Stopper
68806-U2110-71	Stopper
68806-U2220-71	Bracket
68837-24830-71	Clamp



TOYOTA

Part#	Description
68881-U2220-71	Bracket
68907-U1140-71	Bracket
68907-U2141-71	Bracket

YALE





Part#	Description
5040647-56	Bolt, Anchor
5040697-92	Bracket
5040757-67	Bolt, Anchor
5043017-85	Bracket
5059785-27	Bolt, Anchor
5059785-44	Bolt, Anchor
5188016-44	Bolt, Anchor
5197804-00	Bolt, Anchor
5200452-64	Bracket
5800092-88	Bracket
5800092-89	Bracket
5800174-92	Bolt, Anchor
5800336-86	Bracket

HYSTER 	HYSTER 	HYSTER 	HYSTER 	KOMATSU KALMAR AC 
1345354	1371526	248465	308117	3BB-42-24740 / 4949182
KOMATSU KALMAR AC 	KOMATSU KALMAR AC 	KOMATSU KALMAR AC 	MITSI / CAT 	NISSAN 
3EB-41-21860 / 4949469	3EC-41-11910 / 4944719	3EC-71-12210 / 4944893	94204-14900	58650-00H03
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
58650-04H05	58650-14H05	58650-6G000	58650-6G400	58650-L1100
TCM 	TCM 	TCM 	TCM 	TCM 
210F8-02101	214A8-02101	23458-52001	23658-02001	27418-03001
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
65505-11630-71	65505-20540-71	65505-23600-71	65506-20540-71	65506-22000-71
TOYOTA 	YALE 	YALE 	YALE 	YALE 
65506-23600-71	5042292-10	5059745-73	5188016-77	5200454-61

GAS SPRINGS
























270























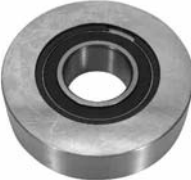







 <p>CROWN</p> <p>370003 / 370008</p>	 <p>DOOSAN</p> <p>A211358</p>	 <p>HYSTER</p> <p>1377992</p>	 <p>HYSTER</p> <p>1385758</p>
 <p>HYSTER</p> <p>1392812</p>	 <p>HYSTER</p> <p>1518858</p>	 <p>HYSTER</p> <p>2047142</p>	 <p>HYSTER</p> <p>2066311</p>
 <p>HYSTER</p> <p>2098777</p>	 <p>HYSTER</p> <p>353021</p>	 <p>KOMATSU KALMAR AC</p> <p>3BA-50-41160 / 8642245</p>	 <p>KOMATSU</p> <p>3EA-50-11720</p>
 <p>KOMATSU KALMAR AC</p> <p>3EA-50-A2110 / 4966556</p>	 <p>KOMATSU KALMAR AC</p> <p>3EB-50-A5111 / 8761692</p>	 <p>MITSI / CAT</p> <p>91212-13200</p>	 <p>MITSI / CAT</p> <p>91312-02900</p>
 <p>MITSI / CAT</p> <p>93020-04700</p>	 <p>MITSI / CAT</p> <p>93113-09600</p>	 <p>NISSAN</p> <p>65320-FF000</p>	 <p>NISSAN</p> <p>65320-FB401</p>

			
65320-91H00	216G6-43501	52210-16640-71	52210-23320-71
			
52210-26600-71	52250-12800-71	52250-13360-71	52250-22800-71
			
52250-23000-71	52250-23600-71	52250-31460-71	52260-23600-71
			
5200451-04	5800056-66	5800082-93	5800132-02
			
5800336-41	5800468-10	5800468-11	5800835-54

MAST ROLLER BEARINGS































272

BAKER 	BAKER 	CASCADE 	CASCADE 	CASCADE  Chain Sheave
102891	104744	231359	231426	231427
CASCADE 	CASCADE 	CASCADE 	CASCADE 	CASCADE  Chain Sheave
652247	660050	660051	661549	661550
CASCADE 	CASCADE 	CASCADE 	CASCADE 	CLARK  Chain Sheave
662145	664206	683819	688169	1648618
CLARK 	CLARK 	CLARK 	CLARK 	CLARK 
1655512	1695854	1722452	1819484	1821118
CLARK 	CLARK 	CLARK 	CLARK 	CLARK 
2326653	2357723	2359625	2383572	2782771
CLARK 	CLARK 	CLARK 	CLARK  Chain Sheave	CLARK 
2783406	2801859	2803437	329488	333520

CLARK 	CLARK 	CLARK 	CLARK 	CLARK 
342957	4330973	721689	738752	746623
CROWN 	CROWN 	CROWN  Roller Assembly	CROWN 	CROWN  Chain Sheave
077943	103284-1	106527	123400	2357128
CROWN 	CROWN 	CROWN 	CROWN 	DOOSAN 
74020	74668	74668-1	74668-2	D300038
DOOSAN 	DOOSAN 	DOOSAN 	HYSTER 	HYSTER 
D581814	D581815	D581816	125217	125223
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
126764	129002	1313358	1319673	1332037
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
1332038	1333396	1333399	1333648	1333649

MAST ROLLER BEARINGS

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HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
1334431	1334433	1343001	1343002	1343003
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
1343005	1343010	1343011	1343018	1343021
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
1345219	1345220	1353191	1353192	1363272
HYSTER  Chain Sheave	HYSTER  Chain Sheave	HYSTER 	HYSTER  Chain Sheave	HYSTER 
1371361	1378692	1378699	1379682	1387993
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
1395168	1395169	1395170	1395171	1395172
HYSTER 	HYSTER 	HYSTER 	HYSTER 	HYSTER 
1395173	1395174	1395177	1395178	1399203

HYSTER



1399204

HYSTER



1511882

HYSTER



1511883

HYSTER



1511884

HYSTER



Chain
Sheave

1692093

HYSTER



186711

HYSTER



193557

HYSTER



2033828

HYSTER



Side
Roller

2039663

HYSTER



2302771

HYSTER



2303610

HYSTER



2303874

HYSTER



2305194

HYSTER



2309514

HYSTER



231020

HYSTER



Side
Roller

2310327

HYSTER



244005

HYSTER



Side
Roller

270153

HYSTER



3003693

HYSTER



302828

HYSTER



3054631

HYSTER



329090

HYSTER



329091

HYSTER



334932

HYSTER



Chain
Sheave

339927

HYSTER



Chain
Sheave

346906

HYSTER



Chain
Sheave

362352

HYSTER



376056

HYSTER



41211































HYSTER

































87905

MAST ROLLER BEARINGS































276































HYSTER 	KALMAR AC 	KALMAR AC 	KALMAR AC 	KALMAR AC 
87907	4832744	4916533	4941962	4941963
KALMAR AC 	KALMAR AC 	KALMAR AC 	KALMAR AC 	KALMAR AC 
4941964	4941965	4941966	4941967	4941968
KALMAR AC 	KALMAR AC 	KALMAR AC 	KOMATSU 	KOMATSU 
4941969	4966387	8613025	37B-9AA-1112	37B-9AA-1122
KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU 
37B-9AA-1132	37B-9AA-1210	37B-9AA-1220	37B-9AA-1230	37B-9AA-1312
KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU 
37B-9AA-1322	37B-9AA-1512	37B-9AA-1522	37B-9AA-1532	37B-9AA-1541
KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU 
37B-9AA-2111	37B-9AA-2121	37B-9AA-2141	37B-9AA-2311	37B-9AA-2321

KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU 
37B-9AA-2341	37B-9AA-2511	37B-9AA-2521	37B-9AA-2531	37B-9AA-2541
KOMATSU  Chain Sheave	KOMATSU 	KOMATSU 	KOMATSU 	KOMATSU 
3EB-73-A5010	3EB-79-A5210	3EB-79-A5220	3EC-71-A1410	3ED-71-41220
LINDE 	LINDE 	LINDE 	LINDE 	LINDE 
0009249461	0009249462	0009249475	0009249476	0009249477
LINDE 	LINDE 	LINDE 	MITSI / CAT 	MITSI / CAT 
0009249480	0009249481	0009249482	1036464	1055601
MITSI / CAT 	MITSI / CAT 	MITSI / CAT 	MITSI / CAT 	MITSI / CAT 
215425	215630	308918	314046	314047
MITSI / CAT 	MITSI / CAT 	MITSI / CAT 	MITSI / CAT 	MITSI / CAT 
910946	911639	911640	912899	94010-06700

MAST ROLLER BEARINGS

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MITSI / CAT  94010-06800	MITSI / CAT  Side Roller 94101-21602	MITSI / CAT  Side Roller 94102-10301	MITSI / CAT  94110-01100	MITSI / CAT  94111-07700
MITSI / CAT  94111-07800	MITSI / CAT  94210-00600	MITSI / CAT  94210-00700	MITSI / CAT  Chain Sheave 94211-00800	MITSI / CAT  94211-05300
MITSI / CAT  94211-05400	MITSI / CAT  Side Roller 94211-09800	MITSI / CAT  94211-11800	MITSI / CAT  94211-11900	MITSI / CAT  Side Roller 94401-03500
MITSI / CAT  94410-00600	MITSI / CAT  94410-00700	MITSI / CAT  94411-03700	MITSI / CAT  94447-11200	MITSI / CAT  94447-11300
MITSI / CAT  94447-11400	MITSI / CAT  94447-11500	MITSI / CAT  94447-11600	MITSI / CAT  94511-05500	MITSI / CAT  94511-05600
MITSI / CAT  94511-05700	MITSI / CAT  971007	MITSI / CAT  971008	MITSI / CAT  971198	MITSI / CAT  972434

MITSI / CAT 	MITSI / CAT 	MITSI / CAT 	NISSAN 	NISSAN 
973330	973531	94210-20503	59117-00H00	59117-00H01
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
59117-00H02	59117-00H11	59117-01H00	59117-01H01	59117-10H00
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
59117-10H01	59117-10H02	59117-10H10	59117-10H11	59117-20H00
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
59117-20H01	59117-20H02	59117-20H10	59117-20H11	59117-FK400
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
59117-FK401	59117-FK402	59117-L1200	59117-L1210	59117-L1212
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
59117-L1400	59117-L1410	59117-L6000	59117-L6001	59117-L6002

MAST ROLLER BEARINGS































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NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
59117-L9000	59117-L9001	59117-L9002	59117-L9200	59117-L9400
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
59440-10H00	59440-L2600	59440-L2900	59440-L9500	59530-L1150
NISSAN 	NISSAN 	NISSAN 	NISSAN 	NISSAN 
59530-L1450	59530-L6050	59531-L1400	59532-13H00	59532-FE000
NISSAN 	NISSAN 	NISSAN 	PRIME MOVER 	RAYMOND 
59532-FF000	59532-L2601	59532-L2901	21089-01	449-011
RAYMOND 	RAYMOND 	TCM 	TCM 	TCM 
449-015	449-032	211F8-22201	211F8-22221	214A8-22211
TCM 	TCM 	TCM 	TCM 	TCM 
22018-30304	22088-22151	22088-32101	22198-22341C	22578-22291B

TCM 	TCM 	TCM  Side Roller	TCM  Side Roller	TCM 
23458-22109D	23458-22111D	23458-32051	23458-32052	23658-33001A
TCM 	TCM 	TCM 	TCM 	TCM 
23918-22211	24609-42111	24609-42121	277P8-22051	277P8-22061
TCM 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
53673-72101	42617-11500-71	61236-20540-71	61236-23320-71	61236-23601-71
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
61236-31320-71	61236-U1000-71	61236-U1010-71	61236-U2010-71	61236-U2170-71
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
61246-34241-71	61246-U1000-71	61246-U2010-71	61286-U2010-71	61436-31620-71
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
61541-U1100-71	61541-U2100-71	61552-34030-71	61821-10480-71	61821-U1010-71

MAST ROLLER BEARINGS































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TOYOTA  61821-U2000-71	TOYOTA  61821-U2010-71	TOYOTA  61831-U1000-71	TOYOTA  61831-U1010-71	TOYOTA  63131-24050-71 <small>Chain Sheave</small>
TOYOTA  63131-30960-71 <small>Chain Sheave</small>	TOYOTA  63131-31620-71 <small>Chain Sheave</small>	TOYOTA  63131-33310-71 <small>Chain Sheave</small>	TOYOTA  63131-U1000-71 <small>Chain Sheave</small>	TOYOTA  63131-U2100-71 <small>Chain Sheave</small>
TOYOTA  63131-U2110-71 <small>Chain Sheave</small>	TOYOTA  63131-U3100-71 <small>Chain Sheave</small>	TOYOTA  63341-U2200-71	TOYOTA  63348-31960-71	TOYOTA  63348-U1100-71
TOYOTA  63355-31961-71	TOYOTA  63355-31980-71	TOYOTA  63355-32880-71	TOYOTA  63356-32880-71	TOYOTA  63358-22020-71
TOYOTA  63358-30800-71	TOYOTA  63358-U1020-71	TOYOTA  63358-U1100-71	TOYOTA  63368-22020-71	TOYOTA  63368-30800-71
TOYOTA  63368-31960-71	TOYOTA  63368-U1020-71	TOYOTA  63378-U1020-71	TOYOTA  63381-23601-71	TOYOTA  63381-30800-71

TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
63381-31040-71	63381-31620-71	63381-32680-71	63381-34250-71	63381-U1000-71
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA  Side Roller
63381-U1101-71	63381-U2000-71	63381-U2101-71	63381-U2170-71	63382-30800-71
TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 	TOYOTA 
63382-U2170-71	76151-30370-71	76181-30340-71	76451-30200-71	76451-U2110-71
TOYOTA 	YALE 	YALE 	YALE 	YALE 
76451-U3110-71	0151265-00	2538512-00	5000675-00	5028822-00
YALE 	YALE 	YALE 	YALE 	YALE 
5040627-54	5042352-04	5042402-69	5042422-37	5042422-68
YALE  Chain Sheave	YALE 	YALE 	YALE 	YALE 
5042817-96	5051112-79	5063500-00	5070335-00	5088018-00

MAST ROLLER BEARINGS

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YALE  5187976-34	YALE  5188086-16	YALE  5188186-16	YALE  5200368-16	YALE  5200368-37
YALE  5200368-52	YALE  5200368-73	YALE  5200408-99	YALE  5200451-65	YALE  5200451-89 Chain Sheave
YALE  5200451-94	YALE  5200453-69	YALE  5200453-70	YALE  5200453-71	YALE  5200453-72
YALE  5200453-73	YALE  5200453-74	YALE  5200453-79 Chain Sheave	YALE  5203028-03	YALE  5800014-29
YALE  5800014-30	YALE  5800014-31	YALE  5800014-32	YALE  5800014-33	YALE  5800014-34
YALE  5800014-35	YALE  5800014-64	YALE  5800019-33	YALE  5800029-72	YALE  5800089-56

YALE  Chain Sheave 5800098-84	YALE  5800102-78	YALE  5800102-79	YALE  5800316-72	YALE  5800316-73
YALE  5800316-74	YALE  5800849-83	YALE  9000022-55	YALE  9000032-85	YALE  Side Roller 9074583-00
YALE  9075953-00	YALE  Side Roller 9078063-00	YALE  Side Roller 9094823-00	YALE  9112783-05	

BAKER			
Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
102891	101.04	34.79	28.45
104744	127.05	44.80	31.69
CASCADE			
Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
231359	107.30	39.98	26.28
231426	106.60	39.97	26.35
231427 (Chain Sheave)	95.28	39.98	34.47
652247	50.13	49.90	29.98
660050	101.34	39.85	28.26
660051	95.00	39.58	35.16
661549	96.28	39.77	29.05
661550 (Chain Sheave)	89.23	39.96	25.44
662145	101.34	39.85	28.26
664206	96.28	39.77	29.05
683819	57.09	12.74	20.57
688169	126.68	50.62	33.08
CLARK			
Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
1648618 (Chain Sheave)	111.03	44.32	41.81
1655512	127.56	77.23	31.46

CLARK			
Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
1695854	88.88	29.9	25.48
1722452	151.92	54.96	38.00
1819484	50.78	15.78	33.34
1821118	101.69	39.89	28.97
2326653	113.91	39.30	31.72
2357128 (Chain Sheave)	129.74	44.51	38.76
2357723	114.18	39.62	28.23
2359625	57.08	19.94	18.47
2383572	94.44	34.82	25.00
2782771	127.05	44.80	31.69
2783406	163.53	54.74	52.46
2801859	101.19	39.76	28.42
2803437	102.22	39.85	28.55
329488 (Chain Sheave)	155.40	44.03	44.95
333520	50.78	15.78	33.34
342957	101.04	34.79	28.45
4330973	94.44	34.82	25.00
721689	82.55	31.64	31.05
738752	127.05	44.80	31.69
746623	76.17	24.72	25.35

CROWN

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
077943	127.05	44.80	31.69
103284-1	114.18	39.62	28.23
106527 (Roller Assembly)	47.72	14.61	41.33
123400	126.93	44.79	29.91
74020	76.17	24.72	25.35
74668	101.04	34.79	28.45
74668-1	101.04	34.79	28.45
74668-2	101.04	34.79	28.45

DOOSAN

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
D300038	127.05	44.80	31.69
D581814	108.71	39.98	31.31
D581815	109.69	39.98	30.47
D581816	110.54	39.98	30.47

HYSTER

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
125217	63.00	31.91	75.43
125223	136.87	54.88	47.83
126764	80.05	39.72	29.96
129002	62.02	29.84	23.95
1313358	188.66	64.74	52.05
1319673	71.95	34.85	26.99
1332037	90.58	34.78	31.69
1332038	111.17	34.85	29.91
1333396	111.43	34.60	30.04
1333399	92.28	34.57	30.96
1333648	103.37	39.88	42.84
1333649	126.50	39.87	43.22
1334431	90.58	34.78	31.69
1334433	110.54	34.85	30.18
1343001	126.50	39.87	43.22
1343002	127.25	39.74	43.07
1343003	128.04	34.86	42.99
1343005	103.35	39.70	42.9
1343010	104.17	39.85	42.97
1343011	104.93	39.72	42.99
1343018	79.13	29.95	28.41
1343021	86.45	29.80	28.57
1345219	111.90	39.90	32.20
1345220	112.65	39.84	32.20
1353191	91.90	34.76	30.85
1353192	92.28	34.57	30.96
1363272	81.88	34.92	30.96
1371361 (Chain Sheave)	102.99	34.97	49.45
1378692 (Chain Sheave)	98.45	35.00	51.05
1378699	71.99	34.97	19.93
1379682 (Chain Sheave)	98.45	35.00	51.05
1387993	47.60	0.49	27.07
1395168	111.15	34.79	29.92

HYSTER

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
1395169	91.90	34.76	30.85
1395170	110.54	34.85	30.18
1395171	90.58	34.78	31.69
1395172	111.76	39.87	32.19
1395173	91.90	34.76	30.85
1395174	81.88	34.92	30.96
1395177	79.13	29.95	28.41
1395178	86.46	29.98	28.56
1399203	126.92	39.78	42.96
1399204	126.92	39.78	42.96
1511882	103.67	39.41	40.90
1511883	104.26	39.32	40.95
1511884	105.01	39.52	40.96
1692093 (Chain Sheave)	108.09	39.96	33.21
186711	103.37	39.88	42.84
193557	101.79	39.84	44.47
2033828	81.89	34.75	27.04
2039663 (Side Roller)	52.18	27.65(O/L)	30.08
2302771	76.17	24.72	25.35
2303610	126.68	59.20	31.06
2303874	101.22	44.57	28.32
2305194	101.08	44.76	28.30
2309514	101.22	44.57	28.32
231020	71.95	34.85	26.99
2310327 (Side Roller)	46.99	24.46(O/L)	29.98
244005	50.78	15.78	33.34
270153 (Side Roller)	101.38	34.59(O/L)	28.52
3003693	88.88	29.90	25.48
302828	126.72	39.88	44.90
3054631	126.68	59.20	31.06
329090	90.58	34.78	31.69
329091	111.17	34.85	29.91
334932	90.00	39.82	36.48
339927 (Chain Sheave)	103.14	34.81	49.50
346906 (Chain Sheave)	150.18	44.48	69.04
362352 (Chain Sheave)	173.88	45.12	72.08
376056	159.36	54.75	47.93
41211	99.98	54.51	21.00
87905	101.04	34.79	28.45
87907	162.10	109.63	51.00

KALMAR AC

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
4832744	151.92	54.96	38.00
4916533	101.04	34.79	28.45
4941962	107.78	34.84	31.04
4941963	107.80	34.78	30.96
4941964	108.85	34.54	31.01
4941965	116.15	39.66	32.97
4941966	116.08	39.72	32.99
4941967	116.80	39.55	33.00
4941968	121.24	44.65	35.96

KALMAR AC

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
4941969	121.24	44.65	35.96
4966387	121.48	44.65	35.95
8613025	101.34	39.85	28.26

KOMATSU

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
37B-9AA-1112	107.78	34.84	31.04
37B-9AA-1122	107.80	34.78	30.96
37B-9AA-1132	108.85	34.54	31.01
37B-9AA-1210	116.15	39.66	32.97
37B-9AA-1220	116.08	39.72	32.99
37B-9AA-1230	116.80	39.55	33.00
37B-9AA-1312	121.24	44.65	35.96
37B-9AA-1322	121.24	44.65	35.96
37B-9AA-1512	116.08	39.72	32.99
37B-9AA-1522	116.08	39.72	32.99
37B-9AA-1532	116.08	39.72	32.99
37B-9AA-1541	116.08	39.72	32.99
37B-9AA-2111	107.78	34.84	31.04
37B-9AA-2121	107.80	34.78	30.96
37B-9AA-2141	107.80	34.78	30.96
37B-9AA-2311	121.24	44.65	35.96
37B-9AA-2321	121.24	44.65	35.96
37B-9AA-2341	121.48	44.65	35.92
37B-9AA-2511	116.08	39.72	32.99
37B-9AA-2521	116.08	39.72	32.99
37B-9AA-2531	116.08	39.72	32.99
37B-9AA-2541	116.08	39.72	32.99
3EB-73-A5010 (Chain Sheave)	95.28	39.98	34.47
3EB-79-A5210	107.30	39.98	26.28
3EB-79-A5220	106.60	39.97	26.35
3EC-71-A1410	127.05	44.80	31.69
3ED-71-41220	100.02	39.81	29.99

LINDE

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
0009249461	135.06	64.88	41.72
0009249462	135.60	64.98	41.92
0009249475	89.99	39.95	28.98
0009249476	81.87	34.95	27.19
0009249477	127.30	39.68	42.81
0009249480	105.40	44.91	33.90
0009249481	150.09	59.36	45.11
0009249482	106.20	44.98	33.84

MITSI / CAT

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
1036464	100.05	39.63	25.58
1055601	80.90	29.64	25.36
215425	126.72	39.88	44.90

MITSI / CAT

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
215630	101.34	39.85	28.26
308918	76.17	24.72	25.35
314046	127.05	44.80	31.69
314047	127.05	44.80	31.69
910946	108.71	39.98	31.31
911639	109.69	39.98	30.47
911640	110.54	39.98	30.47
912899	81.07	29.96	29.15
94010-06700	101.02	39.80	27.10
94010-06800	101.96	39.95	27.10
94101-21602 (Side Roller)	42.06	80.32(O/L)	38.17
94102-10301 (Side Roller)	41.99	21.31(O/L)	36.00
94110-01100	99.08	39.74	30.00
94111-07700	100.00	39.63	30.00
94111-07800	100.00	39.63	30.00
94210-00600	113.97	44.71	34.95
94210-00700	114.97	44.47	34.94
94210-20503	123.24	45.28	40.17
94211-00800 (Chain Sheave)	113.90	39.12	35.96
94211-05300	115.93	44.60	30.04
94211-05400	115.93	44.60	30.04
94211-09800 (Side Roller)	42.06	80.32(O/L)	38.17
94211-11800	114.95	44.25	29.96
94211-11900	114.95	44.25	29.96
94401-03500 (Side Roller)	52.57	84.45(O/L)	38.73
94410-00600	116.94	44.84	39.90
94410-00700	116.94	44.84	39.90
94411-03700	128.94	49.76	39.90
94447-11200	117.98	44.37	32.01
94447-11300	117.98	44.37	32.01
94447-11400	117.98	44.37	32.01
94447-11500	130.00	49.40	35.04
94447-11600	130.00	49.40	35.04
94511-05500	149.41	59.80	44.68
94511-05600	149.43	59.85	44.76
94511-05700	150.52	59.58	44.78
971007	88.88	29.90	25.48
971008	113.91	39.30	31.72
971198	82.55	31.64	31.05
972434	126.20	54.69	31.14
973330	101.04	34.79	28.45
973531 (Chain Sheave)	108.09	39.96	33.21

NISSAN

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
59117-00H00	96.95	34.76	27.96
59117-00H01	97.47	34.58	27.98
59117-00H02	97.05	34.53	27.93
59117-00H11	105.49	34.58	27.98
59117-01H00	94.42	34.62	28.04
59117-01H01	94.42	34.62	28.04
59117-10H00	101.98	34.43	28.00

MAST ROLLER BEARINGS

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NISSAN

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
59117-10H01	102.60	34.85	27.97
59117-10H02	102.97	34.60	27.96
59117-10H10	109.07	34.15	28.14
59117-10H11	109.35	34.39	27.94
59117-20H00	114.96	39.68	31.96
59117-20H01	114.96	39.68	31.96
59117-20H02	115.96	39.70	31.96
59117-20H10	122.87	39.75	32.05
59117-20H11	122.87	39.75	32.05
59117-FK400	115.93	44.60	30.04
59117-FK401	114.95	44.25	29.96
59117-FK402	114.95	44.25	29.96
59117-L1200	115.09	44.52	31.64
59117-L1210	123.45	44.73	34.01
59117-L1212	123.45	44.73	34.01
59117-L1400	96.95	34.76	27.96
59117-L1410	105.14	34.58	27.97
59117-L6000	129.10	49.75	34.95
59117-L6001	129.10	49.75	34.95
59117-L6002	129.10	49.75	34.95
59117-L9000	149.66	59.59	44.94
59117-L9001	149.43	59.85	44.76
59117-L9002	150.46	59.56	44.68
59117-L9200	164.49	54.82	44.96
59117-L9400	128.99	49.54	37.96
59440-10H00 (Chain Sheave)	138.16	44.58	36.11
59440-L2600	91.09	34.67	29.98
59440-L2900 (Chain Sheave)	107.98	39.53	35.98
59440-L9500 (Chain Sheave)	123.74	49.54	56.27
59530-L1150	114.94	64.80	36.07
59530-L1450	97.53	54.96	31.07
59530-L6050	129.18	69.23	40.24
59531-L1400	97.54	54.93	31.18
59532-13H00 (Side Roller)	45.04	51.71(O/L)	24.00
59532-FE000 (Side Roller)	40.29	70.06(O/L)	30.06
59532-FF000 (Side Roller)	46.96	75.14(O/L)	30.02
59532-L2601 (Side Roller)	40.29	70.06(O/L)	30.06
59532-L2901 (Side Roller)	46.96	75.14(O/L)	30.02

PRIME MOVER

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
21089-01	76.17	24.72	25.35

RAYMOND

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
449-011	76.17	24.72	25.35
449-015	80.90	29.64	25.36
449-032	100.05	39.63	25.58

TCM

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
211F8-22201	101.98	34.43	28.00
211F8-22221	102.60	34.85	28.00
214A8-22211	80.01	24.48	21.95
22018-30304 (Side Roller)	40.29	70.06(O/L)	30.06
22088-22151 (Side Roller)	40.04	70.56(O/L)	29.96
22088-32101 (Side Roller)	40.29	70.06(O/L)	30.06
22198-22341C	91.75	29.82	24.91
22578-22291B	102.00	34.81	25.43
23458-22109D	119.45	44.84	29.08
23458-22111D	119.95	44.88	29.03
23458-32051 (Side Roller)	92.02	34.78(O/L)	31.01
23458-32052 (Side Roller)	58.22	80.75(O/L)	30.05
23658-33001A	109.49	39.75	31.94
23918-22211	123.55	49.95	33.91
24609-42111	123.45	44.73	34.01
24609-42121	123.45	44.73	34.01
277P8-22051	118.98	44.95	28.93
277P8-22061	118.98	44.95	28.93
53673-72101	80.01	24.48	21.95

TOYOTA

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
42617-11500-71	127.05	44.80	31.69
61236-20540-71	109.49	39.75	31.94
61236-23320-71	107.79	34.91	24.95
61236-23601-71	119.42	39.90	27.95
61236-31320-71	119.42	39.90	27.95
61236-U1000-71	94.42	34.62	28.04
61236-U1010-71	94.55	34.80	27.98
61236-U2010-71	109.80	39.53	31.98
61236-U2170-71	119.42	39.90	27.95
61246-34241-71	109.99	39.68	31.94
61246-U1000-71	94.42	34.62	28.04
61246-U2010-71	109.99	39.68	31.94
61286-U2010-71	109.80	39.53	31.98
61436-31620-71	164.66	54.68	44.91
61541-U1100-71	64.97	24.69	22.21
61541-U2100-71	79.52	24.73	23.39
61552-34030-71	150.03	89.80	40.17
61821-10480-71	114.38	34.87	28.01
61821-U1010-71	114.57	34.80	27.97
61821-U2000-71	125.57	39.85	31.88
61821-U2010-71	125.51	39.85	32.13
61831-U1000-71	114.38	34.87	28.01
61831-U1010-71	115.13	34.70	28.10
63131-24050-71 (Chain Sheave)	107.98	39.53	35.98
63131-30960-71 (Chain Sheave)	123.53	39.62	43.35
63131-31620-71 (Chain Sheave)	123.74	49.54	56.27
63131-33310-71 (Chain Sheave)	118.01	39.88	33.05
63131-U1000-71 (Chain Sheave)	91.09	34.67	29.98
63131-U2100-71 (Chain Sheave)	95.13	34.52	35.92
63131-U2110-71 (Chain Sheave)	111.22	34.82	36.00

TOYOTA

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
63131-U3100-71 (Chain Sheave)	118.01	39.88	33.05
63341-U2200-71	70.99	24.82	20.92
63348-31960-71	94.42	34.62	28.04
63348-U1100-71	107.79	34.91	24.95
63355-31961-71	124.44	44.47	34.00
63355-31980-71	114.48	44.90	33.96
63355-32880-71	124.49	44.73	33.81
63356-32880-71	124.62	44.80	37.98
63358-22020-71	109.49	39.75	31.94
63358-30800-71	109.49	39.75	31.94
63358-U1020-71	94.42	34.62	28.04
63358-U1100-71	107.79	34.91	24.95
63368-22020-71	149.50	54.90	45.79
63368-30800-71	109.84	39.96	31.96
63368-31960-71	94.42	34.62	28.04
63368-U1020-71	96.00	34.62	28.04
63378-U1020-71	95.90	34.80	28.16
63381-23601-71	118.41	39.88	28.10
63381-30800-71	108.55	64.82	30.01
63381-31040-71	149.50	54.90	45.79
63381-31620-71	149.50	54.90	45.79
63381-32680-71	124.04	44.56	39.97
63381-34250-71	149.05	60.00	44.60
63381-U1000-71	94.42	34.62	28.04
63381-U1101-71	107.79	34.91	24.95
63381-U2000-71	108.36	39.12	31.89
63381-U2101-71	118.31	39.45	28.06
63381-U2170-71	119.42	39.90	27.95
63382-30800-71 (Side Roller)	45.04	51.71(O/L)	24.00
63382-U2170-71	119.70	39.35	28.03
76151-30370-71	149.43	59.85	44.76
76181-30340-71	100.02	39.81	29.99
76451-30200-71	114.38	44.74	33.96
76451-U2110-71	62.32	24.63	18.02
76451-U3110-71	72.04	24.68	28.25

YALE

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
0151265-00	99.98	54.51	21.00
2538512-00	81.89	34.75	27.04
5000675-00	126.22	91.21	30.88
5028822-00	76.17	24.72	25.35
5040627-54	79.13	29.95	28.41
5042352-04	80.05	39.72	29.96
5042402-69	86.45	29.80	28.57
5042422-37	71.95	34.85	26.99
5042422-68	71.95	34.85	26.99
5042817-96 (Chain Sheave)	98.45	35.00	51.05
5051112-79	101.04	34.79	28.45
5063500-00	126.20	54.69	31.14
5070335-00	101.22	44.57	28.32
5088018-00	101.22	44.57	28.32

YALE

Part#	Outer Dim. (MM)	Inner Dim. (MM)	Width Dim. (MM)
5187976-34	81.88	34.92	30.96
5188086-16	91.90	34.76	30.85
5188186-16	91.90	34.76	30.85
5200368-16	111.76	39.87	32.19
5200368-37	111.43	34.60	30.04
5200368-52	91.90	34.76	30.85
5200368-73	112.65	39.84	32.20
5200408-99	71.99	34.97	19.93
5200451-65	50.78	15.78	33.34
5200451-89	90.00	39.82	36.48
5200451-94 (Chain Sheave)	103.14	34.81	49.50
5200453-69	103.35	39.70	42.90
5200453-70	126.50	39.87	43.22
5200453-71	127.25	39.74	43.07
5200453-72	128.04	34.86	42.99
5200453-73	104.17	39.85	42.97
5200453-74	104.93	39.72	42.99
5200453-79 (Chain Sheave)	102.99	34.97	49.45
5203028-03	101.04	34.79	28.45
5800014-29	111.15	34.79	29.92
5800014-30	91.90	34.76	30.85
5800014-31	110.54	34.85	30.18
5800014-32	90.58	34.78	31.69
5800014-33	111.76	39.87	32.19
5800014-34	91.90	34.76	30.85
5800014-35	81.88	34.92	30.96
5800014-64	79.13	29.95	28.41
5800019-33	90.58	34.78	31.69
5800029-72	159.36	54.75	47.93
5800089-56	63.00	31.91	75.43
5800098-84 (Chain Sheave)	173.88	45.12	72.08
5800102-78	126.92	39.78	42.96
5800102-79	126.89	39.85	43.37
5800316-72	103.67	39.41	40.90
5800316-73	104.26	39.32	40.95
5800316-74	105.01	39.52	40.96
5800849-83	47.60	0.49	27.07
9000022-55	91.90	34.76	30.85
9000032-85	81.80	34.92	30.96
9074583-00 (Side Roller)	40.00	20.02(O/L)	30.07
9075953-00	126.68	59.20	31.06
9078063-00 (Side Roller)	46.99	24.46(O/L)	29.98
9094823-00 (Side Roller)	52.18	27.65(O/L)	30.08
9112783-05	114.38	34.87	28.01

AL SERIES MAST LEAF CHAIN

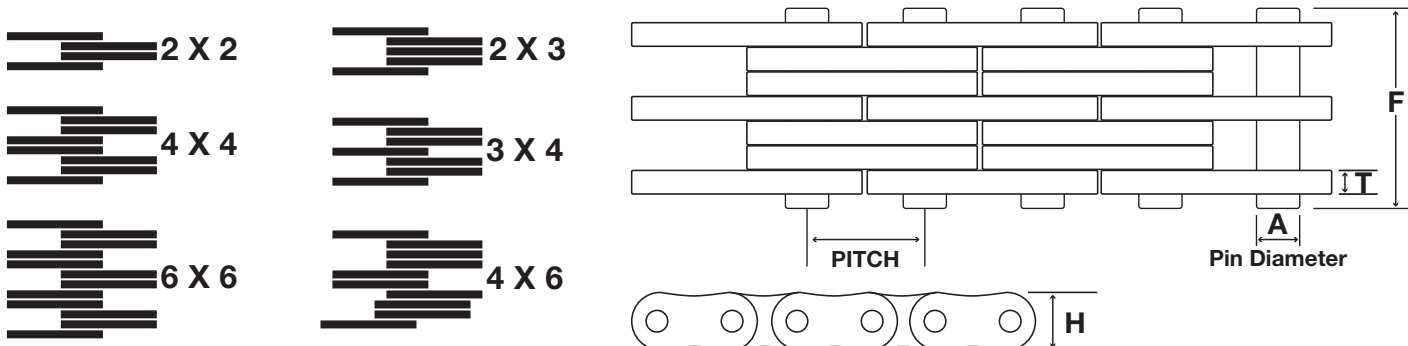
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Leaf Chain is suitable for forklift masts, and is subject to ANSI standards B29.8M, JIS B 1804, and ISO 4347.

Chain Part Number	Pitch Inches	Plate Lacing	DIMENSIONS = INCHES				Bearing Area Square Inches	Weight Per Ft. Pounds Average	Average Tensile Strength Pounds	Connecting Link Part Number
			Overall Width (F)	Pin Diameter (A)	Plate Height (H)	Plate Thickness (T)				
AL422	1/2	2x2	0.315	0.156	0.410	0.060	0.018	0.24	4,000	AL422-CL
AL423	1/2	2x3	0.374	0.156	0.410	0.060	0.028	0.30	4,000	AL423-CL
AL434	1/2	3x4	0.496	0.156	0.410	0.060	0.037	0.41	6,100	AL434-CL
AL442	1/2	4x2	0.440	0.156	0.410	0.060	0.018	0.35	4,000	AL442-CL
AL444	1/2	4x4	0.559	0.156	0.410	0.060	0.037	0.46	8,000	AL444-CL
AL446	1/2	4x6	0.677	0.156	0.410	0.060	0.055	0.57	8,200	AL446-CL
AL466	1/2	6x6	0.799	0.156	0.410	0.060	0.055	0.69	12,000	AL466-CL
AL488	1/2	8x8	1.039	0.156	0.410	0.060	0.073	0.92	16,000	AL488-CL
AL522	5/8	2x2	0.413	0.200	0.513	0.080	0.032	0.41	6,600	AL522-CL
AL544	5/8	4x4	0.736	0.200	0.513	0.080	0.063	0.82	13,200	AL544-CL
AL566	5/8	6x6	1.055	0.200	0.513	0.080	0.095	1.20	19,800	AL566-CL
AL588	5/8	8x8	1.378	0.200	0.513	0.080	0.126	1.60	26,500	AL588-CL
AL622	3/4	2x2	0.484	0.234	0.615	0.094	0.044	0.58	9,000	AL622-CL
AL644	3/4	4x4	0.878	0.234	0.615	0.094	0.088	1.14	18,000	AL644-CL
AL666	3/4	6x6	1.264	0.234	0.615	0.094	0.132	1.70	27,100	AL666-CL
AL688	3/4	8x8	1.646	0.234	0.615	0.094	0.176	2.26	36,100	AL688-CL
AL822	1	2x2	0.646	0.312	0.820	0.125	0.079	0.92	16,000	AL822-CL
AL844	1	4x4	1.165	0.312	0.820	0.125	0.157	1.81	32,100	AL844-CL
AL866	1	6x6	1.693	0.312	0.820	0.125	0.236	2.70	48,100	AL866-CL
AL888	1	8x8	2.189	0.312	0.820	0.125	0.314	3.59	64,200	AL888-CL
AL1022	1 1/4	2x2	0.807	0.375	1.025	0.156	0.118	1.45	23,100	AL1022-CL
AL1044	1 1/4	4x4	1.449	0.375	1.025	0.156	0.235	2.86	46,100	AL1044-CL
AL1066	1 1/4	6x6	2.087	0.375	1.025	0.156	0.353	4.26	69,200	AL1066-CL
AL1088	1 1/4	8x8	2.724	0.375	1.025	0.156	0.471	5.66	92,200	AL1088-CL
AL1222	1 1/2	2x2	0.906	0.437	1.230	0.187	0.127	1.91	32,100	AL1222-CL
AL1244	1 1/2	4x4	1.728	0.437	1.230	0.187	0.255	3.79	64,200	AL1244-CL
AL1266	1 1/2	6x6	2.492	0.437	1.230	0.187	0.382	5.65	96,300	AL1266-CL
AL1288	1 1/2	8x8	3.256	0.437	1.230	0.187	0.510	7.52	128,400	AL1288-CL
AL1422	1 3/4	2x2	1.114	0.500	1.435	0.219	0.220	2.96	41,100	AL1422-CL
AL1444	1 3/4	4x4	1.967	0.500	1.435	0.219	0.440	5.82	82,300	AL1444-CL
AL1466	1 3/4	6x6	2.902	0.500	1.435	0.219	0.660	8.71	123,300	AL1466-CL
AL1488	1 3/4	8x8	3.787	0.500	1.435	0.219	0.880	11.58	164,500	AL1488-CL
AL1622	2	2x2	1.268	0.562	1.640	0.250	0.283	3.92	43,000	AL1622-CL
AL1644	2	4x4	2.287	0.562	1.640	0.250	0.566	7.73	86,000	AL1644-CL
AL1666	2	6x6	3.307	0.562	1.640	0.250	0.850	11.54	129,000	AL1666-CL
AL1688	2	8x8	4.323	0.562	1.640	0.250	1.133	15.35	195,000	AL1688-CL

There are A- and B-type chains. Both AL6 Series and BL6 Series have the same chain pitch, but they differ in Plate thickness and Pin Diameter.

MAST LEAF CHAIN SPECIFICATIONS



These steel chains have a very simple construction: link plates and pins. The two right hand digits in a chain number indicate the lacing of the chain. Number(s) to the left indicate pitch in 1/8" units. For exact chain specifications, please refer to the table above.

BL SERIES MAST LEAF CHAIN

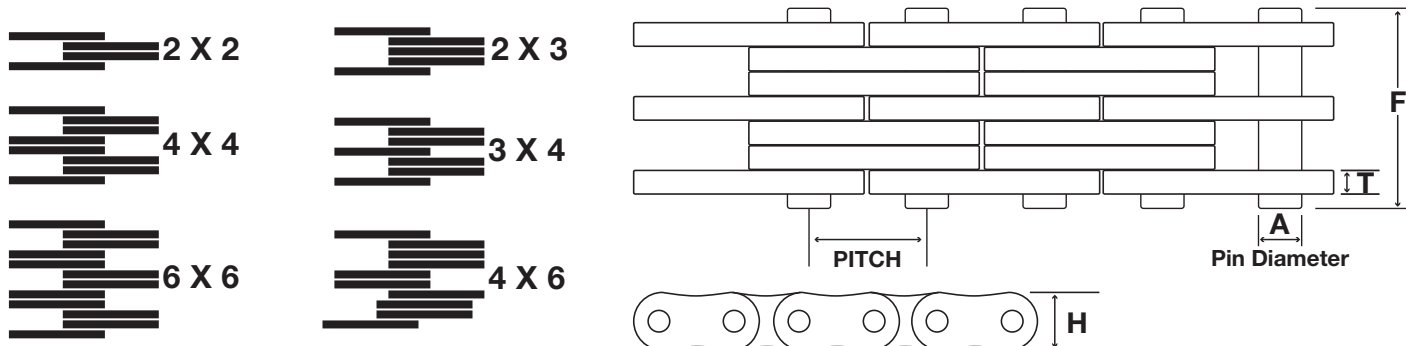
Leaf Chain is suitable for forklift masts, and is subject to ANSI standards B29.8M, JIS B 1804, and ISO 4347.

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Chain Part Number	Pitch Inches	Plate Lacing	DIMENSIONS = INCHES				Bearing Area Square Inches	Weight Per Ft. Pounds Average	Average Tensile Strength Pounds	Connecting Link Part Number
			Overall Width (F)	Pin Diameter (A)	Plate Height (H)	Plate Thickness (T)				
BL421	1/2	2x1	0.331	0.200	0.475	0.080	0.016	0.26	2,500	BL421-CL
BL422	1/2	2x2	0.413	0.200	0.475	0.080	0.021	0.37	5,000	BL422-CL
BL423	1/2	2x3	0.496	0.200	0.475	0.080	0.047	0.48	6,100	BL423-CL
BL434	1/2	3x4	0.657	0.200	0.475	0.080	0.063	0.65	9,200	BL434-CL
BL444	1/2	4x4	0.735	0.200	0.475	0.080	0.063	0.76	10,000	BL444-CL
BL446	1/2	4x6	0.898	0.200	0.475	0.080	0.095	0.93	12,200	BL446-CL
BL466	1/2	6x6	1.055	0.200	0.475	0.080	0.095	1.11	14,000	BL466-CL
BL521	5/8	2x1	0.394	0.234	0.594	0.094	0.022	0.41	3,800	BL521-CL
BL522	5/8	2x2	0.484	0.234	0.594	0.094	0.044	0.57	7,500	BL522-CL
BL523	5/8	2x3	0.591	0.234	0.594	0.094	0.066	0.73	9,000	BL523-CL
BL534	5/8	3x4	0.783	0.234	0.594	0.094	0.088	1.01	13,600	BL534-CL
BL544	5/8	4x4	0.878	0.234	0.594	0.094	0.088	1.12	15,000	BL544-CL
BL546	5/8	4x6	1.071	0.234	0.594	0.094	0.133	1.40	18,000	BL546-CL
BL566	5/8	6x6	1.264	0.234	0.594	0.094	0.133	1.68	21,000	BL566-CL
BL622	3/4	2x2	0.646	0.312	0.713	0.125	0.079	0.90	12,000	BL622-CL
BL623	3/4	2x3	0.783	0.312	0.713	0.125	0.118	1.18	13,600	BL623-CL
BL634	3/4	3x4	1.039	0.312	0.713	0.125	0.157	1.63	20,400	BL634-CL
BL644	3/4	4x4	1.165	0.312	0.713	0.125	0.157	1.84	24,000	BL644-CL
BL646	3/4	4x6	1.421	0.312	0.713	0.125	0.236	2.30	27,200	BL646-CL
BL666	3/4	6x6	1.685	0.312	0.713	0.125	0.236	2.76	35,000	BL666-CL
BL822	1	2x2	0.807	0.375	0.950	0.156	0.118	1.41	20,000	BL822-CL
BL823	1	2x3	0.969	0.375	0.950	0.156	0.177	1.81	23,000	BL823-CL
BL834	1	3x4	1.287	0.375	0.950	0.156	0.236	2.51	34,900	BL834-CL
BL844	1	4x4	1.449	0.375	0.950	0.156	0.236	2.85	40,100	BL844-CL
BL846	1	4x6	1.760	0.375	0.950	0.156	0.354	3.55	46,100	BL846-CL
BL866	1	6x6	2.087	0.375	0.950	0.156	0.354	4.25	53,100	BL866-CL
BL1022	1 1/4	2x2	0.961	0.437	1.188	0.187	0.165	2.03	29,500	BL1022-CL
BL1023	1 1/4	2x3	1.154	0.437	1.188	0.187	0.248	2.65	32,100	BL1023-CL
BL1034	1 1/4	3x4	1.543	0.437	1.188	0.187	0.330	3.68	50,200	BL1034-CL
BL1044	1 1/4	4x4	1.728	0.437	1.188	0.187	0.330	4.18	59,000	BL1044-CL
BL1046	1 1/4	4x6	2.110	0.437	1.188	0.187	0.496	5.21	64,200	BL1046-CL
BL1066	1 1/4	6x6	2.492	0.437	1.188	0.187	0.496	6.25	82,200	BL1066-CL
BL1223	1 1/2	2x3	1.350	0.500	1.425	0.219	0.330	3.69	41,100	BL1223-CL
BL1234	1 1/2	3x4	1.783	0.500	1.425	0.219	0.440	5.12	66,700	BL1234-CL
BL1244	1 1/2	4x4	1.840	0.500	1.430	0.230	0.550	6.25	68,750	BL1244-CL
BL1246	1 1/2	4x6	2.457	0.500	1.425	0.219	0.661	7.24	82,300	BL1246-CL
BL1423	1 3/4	2x3	1.524	0.562	1.663	0.250	0.425	5.07	52,200	BL1423-CL
BL1434	1 3/4	3x4	2.035	0.562	1.663	0.250	0.567	7.03	76,900	BL1434-CL
BL1446	1 3/4	4x6	2.795	0.562	1.663	0.250	0.850	10.00	104,300	BL1446-CL
BL1634	2	3x4	2.100	0.690	1.900	0.300	0.860	9.41	100,091	BL1634-CL
BL1644	2	4x4	2.400	0.690	1.900	0.300	0.980	10.75	131,431	BL1644-CL
BL1646	2	4x6	3.000	0.690	1.900	0.300	1.180	13.44	131,431	BL1646-CL
BL1666	2	6x6	3.600	0.690	1.900	0.300	1.240	16.13	194,863	BL1666-CL
BL1688	2	8x8	4.800	0.690	1.900	0.300	1.360	21.50	262,841	BL1688-CL

There are A- and B-type chains. Both AL6 Series and BL6 Series have the same chain pitch, but they differ in Plate thickness and Pin Diameter.

MAST LEAF CHAIN SPECIFICATIONS



These steel chains have a very simple construction: link plates and pins. The two right hand digits in a chain number indicate the lacing of the chain. Number(s) to the left indicate pitch in 1/8" units. For exact chain specifications, please refer to the table above.

CLARK



2383939

CLARK



2399967

CLARK



2770653

CLARK



2775639

HYSTER



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HYSTER



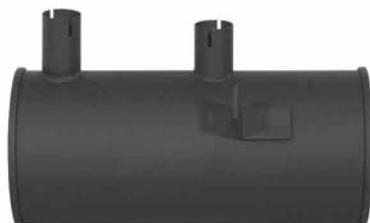
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KOMATSU



34B-03-11117

KOMATSU / KALMAR AC



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3EA-03-A2210 / 4966500

**KOMATSU
KALMAR AC**



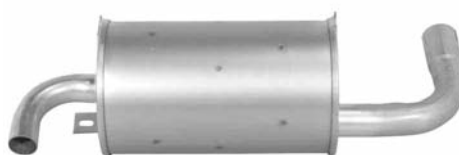
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3EB-03-11311 / 4940754

KOMATSU



3EB-03-A2111

KOMATSU / KALMAR AC


3EB-03-A2161 / 4949211

**KOMATSU
KALMAR AC**


3EB-03-A2210 / 4949212

**KOMATSU
KALMAR AC**


3EB-03-A5111 / 8761201

KOMATSU / KALMAR AC


3EB-03-A5611 / 8761205

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3EB-03-A6610

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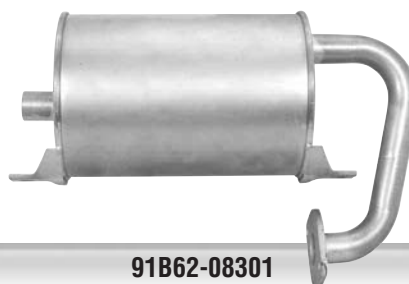

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91462-30100

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CATERPILLAR**


93162-06900

mitsubishi / CATERPILLAR


93E62-00101

NISSAN


20100-00H00

NISSAN


20100-11H00

NISSAN



20100-14H60

NISSAN



20100-51H02

NISSAN



20100-6G000

NISSAN



20100-6G200

NISSAN



20100-6G300

NISSAN



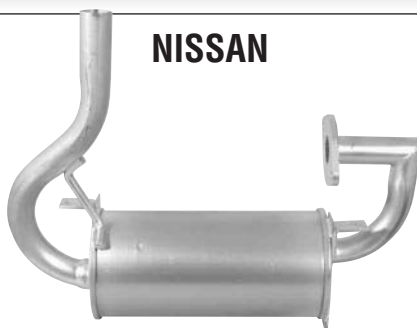
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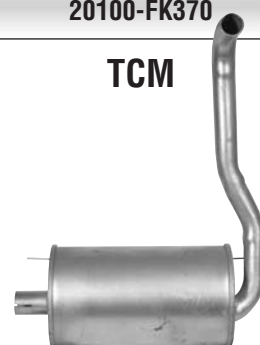
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TCM



212T2-30301

TCM



215E2-30201

TCM



227A2-30101 / 250A2-30201

TCM



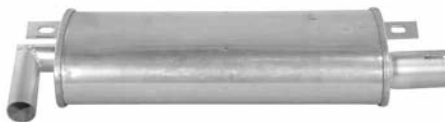
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TCM



23652-30201

TCM



24842-30201

TOYOTA



17510-12620-71

TOYOTA



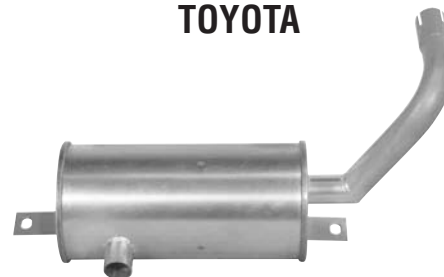
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TOYOTA



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TOYOTA



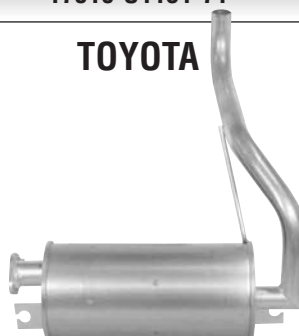
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17510-U2170-71

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17510-U2200-71

TOYOTA



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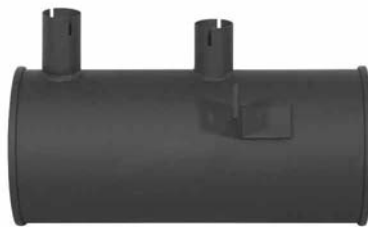



















YALE



5059725-09

MUFFLERS & MUFFLER ACCESSORIES

296

YALE 		YALE 		YALE 	
5188026-09		5800606-72		9115604-00	
HYSTER 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 	KOMATSU/KALMAR AC 		
1351177	360-03-11310 / 8762859	3EA-03-11120 / 4940356	3EB-03-31140 / 8761202		
MITSI / CAT 	MITSI / CAT 	MITSI / CAT 	NISSAN 		
91262-17900	91262-37500	MC000002	20611-00H00		
NISSAN 	TCM 	TOYOTA 	TOYOTA 		
20638-61500	22252-32241A	16415-2300071	16415-2360071		
TOYOTA 	YALE 				
17551-2180071	9057331-00				
KOMATSU/KALMAR AC 	KOMATSU 	TOYOTA 	UNIVERSAL 		
EXHAUST PIPE 3EB-03-22110 / 4949214	EXHAUST PIPE 3EB-03-35311	EXHAUST GASKET RING 90584-43001-71	MUFFLER CLAMP 85036		



LIFT-JACK

4 TON LIFT JACK

- Workhorse for your lift truck mechanics.
- Capacity 8,800 lbs with low starting height 57mm.
- Can handle flat or edged surfaces.
- Top quality seals from Germany, Chrome-plated parts, and high-strength steel construction.

Capacity	4000kg/8,800lbs
Starting Height	57mm 2-1/4"
Max. Lifting Height	406mm/16"
Power	Hydraulic
Width	203mm/8"
Net Weight	34kg/75lbs
Gross Weight	35kg/77lbs

7.5 TON LIFT JACK

- Workhorse for your lift truck mechanics.
- Capacity 15,400 lbs with low starting height 67mm.
- Can handle flat or edged surfaces.
- Top quality seals from Germany, Chrome-plated parts, and high-strength steel construction.

Capacity	7000kg/15,400lbs
Starting Height	67mm / 2.68"
Max. Lifting Height	425mm / 16.70"
Power	Hydraulic
Width	250mm / 9.83"
Net Weight	53kg / 116.60lbs
Gross Weight	55kg / 120lbs



LIFT-JACK-HD

LIFTRUCK SUPPORT STANDS

- Heat treated heavy-duty holding pins •
- Adjusting range: 242mm (9-1/2") to 407mm (16") •



13 Ton Capacity Per Pair
90762-STAND

18 Ton Capacity Per Pair
90765-STAND-HD



CLASS TWO STANDARD TAPERED

Part#	Description	Weight
FORK-4010	1 1/4 x 4 x 30	65 Lbs.
FORK-4012	1 1/4 x 4 x 32	67 Lbs.
FORK-4014	1 1/4 x 4 x 36	70 Lbs.
FORK-4016	1 1/4 x 4 x 42	77 Lbs.
FORK-4018	1 1/4 x 4 x 48	86 Lbs.
FORK-4020	1 1/2 x 4 x 32	87 Lbs.
FORK-4022	1 1/2 x 4 x 36	89 Lbs.
FORK-4024	1 1/2 x 4 x 42	100 Lbs.
FORK-4026	1 1/2 x 4 x 48	110 Lbs.
FORK-4028	1 1/2 x 4 x 54	123 Lbs.
FORK-4030	1 1/2 x 4 x 60	135 Lbs.
FORK-4032	1 1/2 x 4 x 72	159 Lbs.
FORK-4034	1 3/4 x 4 x 36	97 Lbs.
FORK-4036	1 3/4 x 4 x 42	108 Lbs.
FORK-4038	1 3/4 x 4 x 48	125 Lbs.
FORK-4040	1 3/4 x 4 x 54	132 Lbs.
FORK-4042	1 3/4 x 4 x 60	143 Lbs.
FORK-4044	1 3/4 x 4 x 72	152 Lbs.
FORK-4046	1 3/4 x 4 x 84	162 Lbs.
FORK-4048	1 3/4 x 4 x 96	192 Lbs.
FORK-4050	1 1/2 x 5 x 36	115 Lbs.
FORK-4052	1 1/2 x 5 x 42	126 Lbs.
FORK-4054	1 1/2 x 5 x 48	139 Lbs.
FORK-4056	1 1/2 x 5 x 54	152 Lbs.
FORK-4058	1 1/2 x 5 x 60	165 Lbs.
FORK-4060	1 1/2 x 5 x 72	187 Lbs.
FORK-4062	1 3/4 x 5 x 36	125 Lbs.
FORK-4064	1 3/4 x 5 x 42	137 Lbs.
FORK-4066	1 3/4 x 5 x 48	152 Lbs.
FORK-4068	1 3/4 x 5 x 54	169 Lbs.
FORK-4070	1 3/4 x 5 x 60	183 Lbs.
FORK-4072	1 3/4 x 5 x 72	212 Lbs.
FORK-4074	1 3/4 x 5 x 84	243 Lbs.
FORK-4076	1 3/4 x 5 x 96	273 Lbs.

CLASS TWO FULL TAPERED AND POLISHED

Part#	Description	Weight
FORK-4078	1 1/2 x 4 x 36	79 Lbs.
FORK-4080	1 1/2 x 4 x 42	92 Lbs.
FORK-4082	1 1/2 x 4 x 48	97 Lbs.
FORK-4084	1 1/2 x 4 x 54	110 Lbs.
FORK-4086	1 1/2 x 4 x 60	119 Lbs.
FORK-4088	1 1/2 x 4 x 72	136 Lbs.
FORK-4090	1 3/4 x 4 x 36	88 Lbs.
FORK-4092	1 3/4 x 4 x 42	99 Lbs.

CLASS TWO FULL TAPERED AND POLISHED

Part#	Description	Weight
FORK-4094	1 3/4 x 4 x 48	108 Lbs.
FORK-4096	1 3/4 x 4 x 54	119 Lbs.
FORK-4098	1 3/4 x 4 x 60	128 Lbs.
FORK-4100	1 3/4 x 4 x 72	152 Lbs.
FORK-4102	1 1/2 x 5 x 36	106 Lbs.
FORK-4104	1 1/2 x 5 x 42	110 Lbs.
FORK-4106	1 1/2 x 5 x 48	125 Lbs.
FORK-4108	1 1/2 x 5 x 54	139 Lbs.
FORK-4110	1 1/2 x 5 x 60	149 Lbs.
FORK-4112	1 1/2 x 5 x 72	170 Lbs.
FORK-4114	1 3/4 x 5 x 36	119 Lbs.
FORK-4116	1 3/4 x 5 x 42	128 Lbs.
FORK-4118	1 3/4 x 5 x 48	137 Lbs.
FORK-4120	1 3/4 x 5 x 54	145 Lbs.
FORK-4122	1 3/4 x 5 x 60	156 Lbs.
FORK-4124	1 3/4 x 5 x 72	172 Lbs.

CLASS THREE STANDARD TAPERED

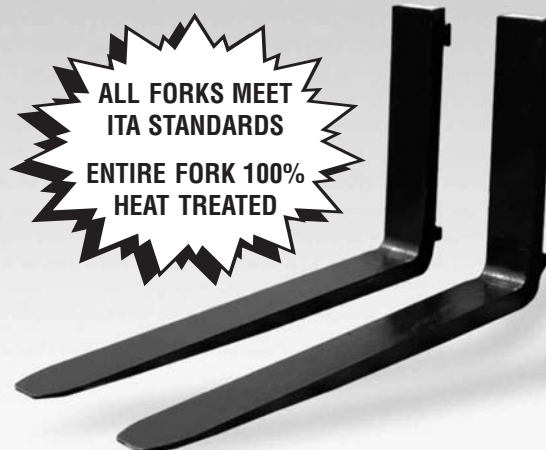
Part#	Description	Weight
FORK-4126	1 3/4 x 5 x 36	139 Lbs.
FORK-4128	1 3/4 x 5 x 42	148 Lbs.
FORK-4130	1 3/4 x 5 x 48	165 Lbs.
FORK-4132	1 3/4 x 5 x 54	181 Lbs.
FORK-4134	1 3/4 x 5 x 60	194 Lbs.
FORK-4136	1 3/4 x 5 x 72	225 Lbs.
FORK-4138	1 3/4 x 5 x 84	256 Lbs.
FORK-4140	1 3/4 x 5 x 96	290 Lbs.
FORK-4142	2 x 5 x 36	152 Lbs.
FORK-4144	2 x 5 x 42	163 Lbs.
FORK-4146	2 x 5 x 48	181 Lbs.
FORK-4148	2 x 5 x 54	196 Lbs.
FORK-4150	2 x 5 x 60	216 Lbs.
FORK-4152	2 x 5 x 72	249 Lbs.
FORK-4154	2 x 5 x 84	283 Lbs.
FORK-4156	2 x 5 x 96	317 Lbs.
FORK-4158	2 x 6 x 42	187 Lbs.
FORK-4160	2 x 6 x 48	209 Lbs.
FORK-4162	2 x 6 x 54	227 Lbs.
FORK-4164	2 x 6 x 60	249 Lbs.
FORK-4166	2 x 6 x 72	288 Lbs.
FORK-4168	2 x 6 x 84	327 Lbs.
FORK-4170	2 x 6 x 96	366 Lbs.

CLASS THREE FULL TAPERED AND POLISHED

Part#	Description	Weight
FORK-4172	1 3/4 x 5 x 36	130 Lbs.
FORK-4174	1 3/4 x 5 x 42	139 Lbs.
FORK-4176	1 3/4 x 5 x 48	152 Lbs.
FORK-4178	1 3/4 x 5 x 54	167 Lbs.
FORK-4180	1 3/4 x 5 x 60	178 Lbs.
FORK-4182	1 3/4 x 5 x 72	187 Lbs.
FORK-4184	2 x 5 x 36	143 Lbs.
FORK-4186	2 x 5 x 42	154 Lbs.
FORK-4188	2 x 5 x 48	167 Lbs.
FORK-4190	2 x 5 x 54	183 Lbs.
FORK-4192	2 x 5 x 60	203 Lbs.
FORK-4194	2 x 5 x 72	238 Lbs.
FORK-4196	2 x 5 x 96	308 Lbs.
FORK-4198	2 x 6 x 42	187 Lbs.
FORK-4200	2 x 6 x 48	194 Lbs.
FORK-4202	2 x 6 x 54	205 Lbs.
FORK-4204	2 x 6 x 60	216 Lbs.
FORK-4206	2 x 6 x 72	240 Lbs.
FORK-4208	2 x 6 x 84	265 Lbs.
FORK-4210	2 x 6 x 96	289 Lbs.

CLASS FOUR STANDARD TAPERED

Part#	Description	Weight
FORK-4212	2 1/4 x 6 x 42	259 Lbs.
FORK-4214	2 1/4 x 6 x 48	283 Lbs.
FORK-4216	2 1/4 x 6 x 54	306 Lbs.
FORK-4218	2 1/4 x 6 x 60	329 Lbs.
FORK-4220	2 1/4 x 6 x 72	377 Lbs.
FORK-4222	2 1/4 x 6 x 84	424 Lbs.
FORK-4224	2 1/4 x 6 x 96	472 Lbs.
FORK-4226	2 1/2 x 6 x 42	271 Lbs.
FORK-4228	2 1/2 x 6 x 48	296 Lbs.
FORK-4230	2 1/2 x 6 x 54	321 Lbs.
FORK-4232	2 1/2 x 6 x 60	346 Lbs.
FORK-4234	2 1/2 x 6 x 72	399 Lbs.
FORK-4236	2 1/2 x 6 x 84	449 Lbs.
FORK-4238	2 1/2 x 6 x 96	499 Lbs.



FORK EXTENSIONS

FOR 4" WIDE FORKS		FOR 5" WIDE FORKS		FOR 6" WIDE FORKS	
Part#	Weight	Part#	Weight	Part#	Weight
EXT-4x42	32 Lbs.	EXT-5x54	47 Lbs.	EXT-6x54	56 Lbs.
EXT-4x48	37 Lbs.	EXT-5x60	53 Lbs.	EXT-6x60	61 Lbs.
EXT-4x54	41 Lbs.	EXT-5x63	57 Lbs.	EXT-6x63	64 Lbs.
EXT-4x60	46 Lbs.	EXT-5x66	58 Lbs.	EXT-6x66	68 Lbs.
EXT-4x63	46 Lbs.	EXT-5x72	62 Lbs.	EXT-6x72	75 Lbs.
EXT-4x66	49 Lbs.	EXT-5x84	74 Lbs.	EXT-6x84	85 Lbs.
EXT-4x72	55 Lbs.	EXT-5x96	86 Lbs.	EXT-6x96	98 Lbs.
EXT-4x84	80 Lbs.				
EXT-4x96	72 Lbs.				



LOAD BACK REST

Part#	Class	Mount Type	Pre-Drilled	Dim.	Part#	Class	Mount Type	Pre-Drilled	Dim.
LBR-2-100	II	Side Bolt	No	31" x 48"	LBR-2-184	II	Side Bolt	No	38 1/2" x 48"
LBR-2-106	II	Side Bolt	No	32 1/4" x 48"	LBR-2-190	II	Side Bolt	No	38" x 48"
LBR-2-112	II	Side Bolt	No	32" x 48"	LBR-2-196	II	Side Bolt	No	39.4" x 48"
LBR-2-118	II	Side Bolt	Yes	32" x 48"	LBR-2-202	II	Side Bolt	No	39" x 48"
LBR-2-124	II	Side Bolt	No	32" x 60"	LBR-2-214	II	Side Bolt	No	40" x 48"
LBR-2-130	II	Side Bolt	No	32" x 72"	LBR-2-220	II	Side Bolt	No	41" x 48"
LBR-2-136	II	Side Bolt	No	36 1/4" x 48"	LBR-2-226	II	Side Bolt	No	42" x 48"
LBR-2-142	II	Side Bolt	No	36" x 48"	LBR-2-232	II	Side Bolt	No	48" x 48"
LBR-2-148	II	Side Bolt	Yes	36" x 48"	LBR-2-238	II	Side Bolt	No	49" x 48"
LBR-2-208	II	Side Bolt	No	40 1/4" x 48"	LBR-3-301	III	Front Bolt	No	38 1/2" x 48"
LBR-2-154	II	Side Bolt	No	36" x 72"	LBR-3-307	III	Side Bolt	Yes	38" x 48"
LBR-2-160	II	Front Bolt	No	37" x 48"	LBR-3-313	III	Side Bolt	No	49" x 48"
LBR-2-166	II	Side Bolt	No	37" x 48"	LBR-4-403	IV	Front Bolt	No	48" x 48"
LBR-2-172	II	Side Bolt	No	37" x 72"	LBR-4-410	IV	Side Bolt	No	48" x 48"
LBR-2-178	II	Front Bolt	No	38 1/2" x 48"					

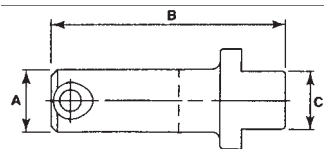


RUG RAMS

Part#	Class	Mount Type	Dim.	Part#	Class	Mount Type	Dim.
FM-1-200	N/A	Fork	10" x 2 1/2"	RR-2-224	II	Carriage	12" x 2 3/4"
FM-1-300	N/A	Fork	10" x 2 3/4"	RR-2-229	II	Carriage	12" x 3"
FM-1-400	N/A	Fork	12" x 2 1/2"	RR-2-234	II	Carriage	9" x 2 1/2"
FM-1-500	N/A	Fork	12" x 2 3/4"	RR-3-310	III	Carriage	10" x 2 1/2"
RR-2-204	II	Carriage	10" x 2 1/2"	RR-3-316	III	Carriage	12" x 2 1/2"
RR-2-209	II	Carriage	10" x 2 3/4"				
RR-2-214	II	Carriage	10" x 3"				
RR-2-219	II	Carriage	12" x 2 1/2"				



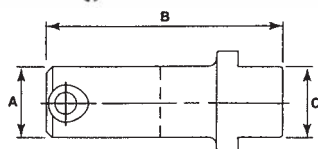
CLASS II



A	B	C
5/8"	2 1/16"	1/2"
16mm	52mm	13mm

FPK-4700

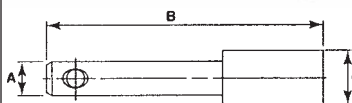
CLASS III



A	B	C
5/8"	2 1/16"	5/8"
16mm	52mm	16mm

FPK-4702

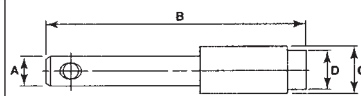
CLASS III



A	B	C
7/16"	3 27/64"	9/16"
11mm	87mm	14mm

FPK-4704

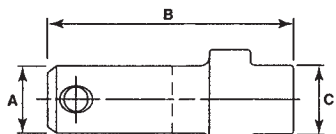
CLASS II



A	B	C	D
15/32"	2 1/4"	23/32"	9/16"
12mm	58mm	18mm	14mm

FPK-4706

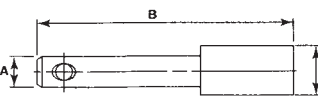
CLASS II



A	B	C
5/8"	2 1/8"	9/16"
16mm	54mm	14mm

FPK-4708

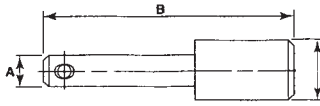
CLASS IV



A	B	C
7/16"	3 13/16"	11/16"
11mm	97mm	18mm

FPK-4710

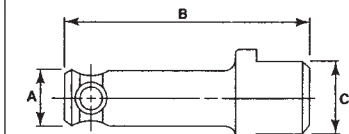
CLASS III



A	B	C
23/64"	3 1/8"	11/16"
9mm	79mm	18mm

FPK-4712

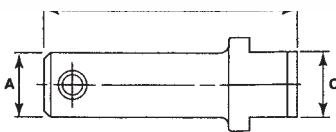
CLASS II



A	B	C
1/2"	2 3/16"	5/8"
13mm	56mm	16mm

FPK-4714

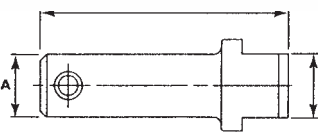
CLASS II



A	B	C
1/2"	2 3/64"	1/2"
13mm	52mm	13mm

FPK-4716

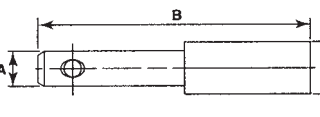
CLASS II



A	B	C
1/2"	2 1/16"	1/2"
13mm	52mm	13mm

FPK-4718

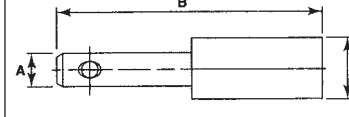
CLASS II



A	B	C
3/8"	3 1/16"	9/16"
10mm	78mm	14mm

FPK-4720

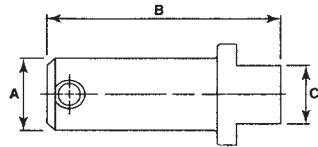
CLASS II



A	B	C
3/8"	3 1/4"	11/16"
10mm	83mm	18mm

FPK-4722

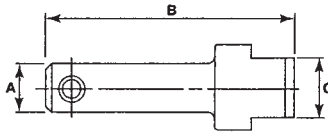
CLASS II



A	B	C
5/8"	2 1/16"	1/2"
16mm	52mm	13mm

FPK-4724

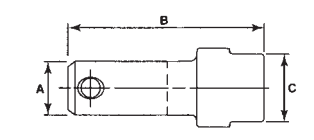
CLASS IV



A	B	C
1/2"	2 9/16"	5/8"
13mm	65mm	16mm

FPK-4726

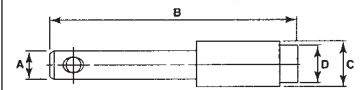
CLASS II



A	B	C
1/2"	2 5/8"	11/16"
13mm	66mm	18mm

FPK-4728

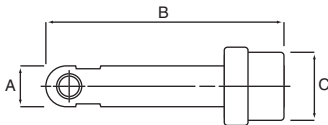
CLASS II



A	B	C	D
9/16"	2 1/2"	11/16"	1/2"
12mm	64mm	19mm	14mm

FPK-4730

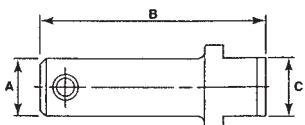
CLASS II



A	B	C
1/2"	2 3/4"	1 3/4"
12mm	70mm	20mm

FPK-4732

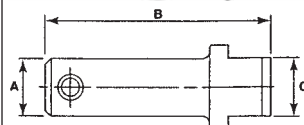
CLASS IV



A	B	C
1/2"	2 3/4"	1/2"
12mm	70mm	12mm

FPK-4734

CLASS III



A	B	C
1/2"	3 1/8"	5/8"
12mm	79mm	16mm

FPK-4736

FORK PIN KITS CROSS REFERENCE

OEM#	Helmar#	OEM#	Helmar#	OEM#	Helmar#	OEM#	Helmar#
00095	FPK-4700	00591-30523-81	FPK-4700	00591-42604-81	FPK-4728	00591-58796-81	FPK-4728
00591-00165-81	FPK-4718	00591-30524-81	FPK-4702	00591-42606-81	FPK-4700	00591-70560-81	FPK-4728
00591-00166-81	FPK-4714	00591-30531-81	FPK-4716	00591-52320-81	FPK-4704	00591-71378-81	FPK-4732
00591-00167-81	FPK-4726	00591-30813-81	FPK-4720	00591-52321-81	FPK-4718	00591-71379-81	FPK-4728
00591-01117-81	FPK-4700	00591-30814-81	FPK-4722	00591-52322-81	FPK-4700	00591-72203-81	FPK-4728
00591-01123-81	FPK-4702	00591-32397-81	FPK-4704	00591-52323-81	FPK-4702	00591-72262-81	FPK-4728
00591-01229-81	FPK-4724	00591-34983-81	FPK-4714	00591-52324-81	FPK-4708	00591-74859-81	FPK-4706
00591-03575-81	FPK-4708	00591-34987-81	FPK-4718	00591-52325-81	FPK-4700	00591-76669-81	FPK-4732
00591-04149-81	FPK-4716	00591-34988-81	FPK-4726	00591-52326-81	FPK-4716	00591-80217-81	FPK-4732
00591-05601-81	FPK-4708	00591-37579-81	FPK-4712	00591-52331-81	FPK-4732	00591-80222-81	FPK-4732
00591-05984-81	FPK-4712	00591-38698-81	FPK-4728	00591-58781-81	FPK-4720	0121886	FPK-4712
00591-06065-81	FPK-4722	00591-42501-81	FPK-4710	00591-58782-81	FPK-4722	0162616	FPK-4722
00591-06218-81	FPK-4720	00591-42512-81	FPK-4728	00591-58783-81	FPK-4712	0163726	FPK-4720
00591-11073-81	FPK-4710	00591-42513-81	FPK-4708	00591-58784-81	FPK-4710	0328647	FPK-4720
00591-11075-81	FPK-4704	00591-42514-81	FPK-4708	00591-58785-81	FPK-4714	0328697	FPK-4720
00591-30147-81	FPK-4732	00591-42516-81	FPK-4728	00591-58795-81	FPK-4700	0332378	FPK-4722

FORK PIN KITS CROSS REFERENCE

302

OEM#	Helmar#	OEM#	Helmar#	OEM#	Helmar#	OEM#	Helmar#
0368703	FPK-4700	1810138	FPK-4700	3131239	FPK-4702	493301	FPK-4716
0369795	FPK-4700	1810170	FPK-4702	3131893	FPK-4716	4933021	FPK-4716
0369796	FPK-4734	1811414	FPK-4724	3132213	FPK-4706	4998459	FPK-4714
0369797	FPK-4728	1811603	FPK-4702	313666-222	FPK-4732	4998681	FPK-4726
04640-U102071	FPK-4700	1819428	FPK-4700	3142328	FPK-4728	4999281	FPK-4718
04640-U2010-71	FPK-4734	20-7380127	FPK-4700	3149723	FPK-4728	4999347	FPK-4714
04640-U201071	FPK-4734	200843	FPK-4700	328647	FPK-4720	4999348	FPK-4726
04640-U3010-71	FPK-4732	2019546	FPK-4716	328697	FPK-4720	50045029	FPK-4702
04640-U3020-71	FPK-4700	2050587	FPK-4708	332378	FPK-4722	5042362-77	FPK-4734
0494-0243	FPK-4726	2050588	FPK-4728	34A-72-00021	FPK-4700	504236227	FPK-4700
075027	FPK-4716	2050589	FPK-4716	368703	FPK-4700	504236267	FPK-4700
0809084	FPK-4722	220013306	FPK-4722	369795	FPK-4700	504236277	FPK-4734
0840100	FPK-4708	220013380	FPK-4720	369796	FPK-4734	5095703-00	FPK-4710
0911636	FPK-4708	220014942	FPK-4712	369797	FPK-4728	509570300	FPK-4710
0911637	FPK-4708	2200156-15	FPK-4716	38001	FPK-4700	5100366-00	FPK-4704
0917084	FPK-4708	220015615	FPK-4716	38002	FPK-4700	510036600	FPK-4704
0917995	FPK-4708	220022838	FPK-4700	38003	FPK-4716	5194765-05	FPK-4716
0972222	FPK-4700	220022839	FPK-4702	38004	FPK-4702	519476505	FPK-4716
0972223	FPK-4702	2200234-93	FPK-4716	38005	FPK-4708	5194768-01	FPK-4700
0973862	FPK-4720	220023493	FPK-4716	38006	FPK-4700	5194768-05	FPK-4716
101A	FPK-4716	220023813	FPK-4706	38007	FPK-4728	5194768-06	FPK-4708
101B	FPK-4732	220029569	FPK-4728	38008	FPK-4728	519476801	FPK-4700
103442	FPK-4716	220035822	FPK-4704	38009	FPK-4728	519476803	FPK-4728
1129613	FPK-4716	220035823	FPK-4710	38027	FPK-4704	519476805	FPK-4716
1129614	FPK-4700	220036265	FPK-4728	38028	FPK-4712	519476806	FPK-4708
121886	FPK-4712	220037703	FPK-4700	38029	FPK-4716	5194798-01	FPK-4708
121886-A	FPK-4712	220037704	FPK-4708	38031	FPK-4722	5194798-02	FPK-4734
121886A	FPK-4712	220037705	FPK-4728	38032	FPK-4726	519479801	FPK-4708
121890	FPK-4712	220042328	FPK-4728	38033	FPK-4730	519479802	FPK-4734
1232512	FPK-4708	220049723	FPK-4728	38046	FPK-4710	5217200-01	FPK-4700
1232514	FPK-4728	220051963	FPK-4700	38132	FPK-4706	521720001	FPK-4700
130297	FPK-4708	220052314	FPK-4700	3844408200	FPK-4708	521720002	FPK-4728
130927	FPK-4708	220053548	FPK-4702	3844461000	FPK-4708	52172100-01	FPK-4700
130928	FPK-4728	220082826	FPK-4702	390046	FPK-4700	5225200-02	FPK-4734
13405	FPK-4708	22031	FPK-4718	390083	FPK-4708	5225200-03	FPK-4728
13406	FPK-4730	2500-2342	FPK-4706	3944408215	FPK-4700	522520001	FPK-4700
13456	FPK-4714	2501-104524	FPK-4728	3EA-72-00021	FPK-4706	522520002	FPK-4734
13457	FPK-4718	2I5224	FPK-4718	3EB-71-A1130	FPK-4700	522520003	FPK-4728
13462	FPK-4732	2I5814	FPK-4704	3EB-71-A1140	FPK-4700	580006840	FPK-4708
13533	FPK-4720	2I6241	FPK-4722	3EB-71-A1150	FPK-4700	5800167-34	FPK-4734
13683	FPK-4728	2I6355	FPK-4716	3EB-71-A1160	FPK-4700	5800167-37	FPK-4728
13757	FPK-4732	2I6578	FPK-4710	3EB-71-A1170	FPK-4700	5800167-40	FPK-4734
1378766	FPK-4708	2PKR-M	FPK-4732	3EB-72-121LT	FPK-4700	5800167-41	FPK-4728
138895	FPK-4700	3010780	FPK-4716	4155642	FPK-4702	580016734	FPK-4734
13900	FPK-4730	3010976	FPK-4700	443506	FPK-4718	580016737	FPK-4728
14714920	FPK-4704	3010977	FPK-4702	443507	FPK-4714	580016740	FPK-4734
1477234	FPK-4732	3012312	FPK-4704	443508	FPK-4726	580016741	FPK-4728
1477238	FPK-4728	3012313	FPK-4710	444559	FPK-4722	580016784	FPK-4700
1477241	FPK-4700	3027923	FPK-4716	444783	FPK-4720	580026744	FPK-4700
1477242	FPK-4708	3028299	FPK-4734	446435	FPK-4710	580026745	FPK-4708
1477243	FPK-4728	3028302	FPK-4734	446438	FPK-4704	5800270-38	FPK-4728
1477742	FPK-4700	3028303	FPK-4728	448330	FPK-4708	580027038	FPK-4728
1500773	FPK-4700	3054547	FPK-4700	448632	FPK-4732	5800314-74	FPK-4728
1500774	FPK-4734	3057703	FPK-4732	448780	FPK-4730	580031474	FPK-4728
1502122	FPK-4728	3057704	FPK-4708	4768843	FPK-4718	5800350-17	FPK-4734
1523735	FPK-4732	3057705	FPK-4728	4910734	FPK-4700	5800350-19	FPK-4728
1523739	FPK-4734	3075022	FPK-4702	4910735	FPK-4702	580035002	FPK-4732
161616	FPK-4722	3092870	FPK-4702	4913166	FPK-4716	580035017	FPK-4734
162616	FPK-4722	31-90210	FPK-4716	4913167	FPK-4732	580035019	FPK-4728
163726	FPK-4720	3131238	FPK-4700	4913172	FPK-4716	59720-K4500	FPK-4708

FORK PIN KITS CROSS REFERENCE

303

OEM#	Helmar#	OEM#	Helmar#	OEM#	Helmar#
59720-K4600	FPK-4708	811-815	FPK-4716	E-7951	FPK-4730
59755-101B0	FPK-4708	811-815-001	FPK-4716	FM3076043	FPK-4702
6-26002	FPK-4732	811-815-002	FPK-4700	GS0001104	FPK-4700
64101-98335-71	FPK-4730	811-816	FPK-4700	HK2PKR-M	FPK-4732
672575	FPK-4720	811-885	FPK-4732	HY-1377	FPK-4700
7000034	FPK-4732	840100	FPK-4700	HY-1605	FPK-4728
7000035	FPK-4734	851-200-561	FPK-4732	HY-1608	FPK-4728
7000040	FPK-4700	908250	FPK-4734	HY-1609	FPK-4708
719126	FPK-4714	908251	FPK-4702	IE-104523	FPK-4708
730-1702	FPK-4702	911636	FPK-4700	IE-104524	FPK-4728
75027	FPK-4716	911637	FPK-4708	K2PKR	FPK-4722
755-3002	FPK-4732	932775	FPK-4732	K2PKR-M	FPK-4734
757-1202	FPK-4700	932776	FPK-4734	K2PKRM	FPK-4732
757-1212	FPK-4732	94106-00028	FPK-4700	K2PRK-M	FPK-4732
77MBD1	FPK-4732	94106-00038	FPK-4700	K3PK-M	FPK-4736
77MBE1	FPK-4732	9410600028	FPK-4700	K3PKR	FPK-4734
783-1101	FPK-4720	9410600038	FPK-4700	K3PKR-M	FPK-4734
783-1102	FPK-4722	94306-00038	FPK-4708	K460	FPK-4700
783-1103	FPK-4712	9430600038	FPK-4708	K470	FPK-4700
783-1105	FPK-4728	9440600038	FPK-4728	K490	FPK-4728
783-1300	FPK-4704	972222	FPK-4700	L3944408215	FPK-4700
783-1301	FPK-4710	972223	FPK-4702	LFM3076043	FPK-4702
783-1600	FPK-4714	973862	FPK-4720	LM40K-M1637	FPK-4708
783-1601	FPK-4726	98925	FPK-4714	LM40KM1637	FPK-4708
783-1602	FPK-4718	98987	FPK-4718	LM4OK-M1637	FPK-4708
783-1700	FPK-4700	98989	FPK-4714	LM4OKM1637	FPK-4708
783-1702	FPK-4702	999783	FPK-4716	N2PKR-M	FPK-4732
783-2999	FPK-4708	A0000-09261	FPK-4732	N4PK	FPK-4728
783-3100	FPK-4708	A000002859	FPK-4708	SY34055	FPK-4732
783-3101	FPK-4708	A000009261	FPK-4732	SY34596	FPK-4730
783-3102	FPK-4716	AC-72	FPK-4714	SY38859	FPK-4728
783-3106	FPK-4730	AC-73	FPK-4718	SY41810	FPK-4718
783-3108	FPK-4730	AC-74	FPK-4726	SY41815	FPK-4714
783-3800	FPK-4732	AT-2342	FPK-4706	SY41820	FPK-4726
783-3801	FPK-4700	B-1051	FPK-4732	SY41825	FPK-4700
783-3803	FPK-4728	B101A	FPK-4716	SY41830	FPK-4702
783-3900	FPK-4716	BL8860891	FPK-4708	SY41835	FPK-4724
783-3901	FPK-4732	CC-K2PKR-M	FPK-4708	SY41840	FPK-4708
783-5105	FPK-4730	CC-K460	FPK-4700	SY41850	FPK-4716
800000459	FPK-4718	CCK2PKR-M	FPK-4708	SY41860	FPK-4712
800000460	FPK-4714	CCK460	FPK-4708	SY41865	FPK-4722
800000461	FPK-4726	CK2PKRM	FPK-4732	SY41870	FPK-4720
800010989	FPK-4700	CK470	FPK-4716	SY41875	FPK-4710
800010995	FPK-4702	CK490	FPK-4728	SY41880	FPK-4704
800014063	FPK-4708	CL-1099	FPK-4700	SY54009	FPK-4700
800014687	FPK-4716	CL-1100	FPK-4702	YT-2064	FPK-4710
800023190	FPK-4712	CL-1108	FPK-4716	YT-2065	FPK-4704
800025166	FPK-4722	D390046	FPK-4708	YT-2088	FPK-4728
800029236	FPK-4720	D390083	FPK-4708	YT-2089	FPK-4700
800051430	FPK-4730	D390366	FPK-4732	YT-2090	FPK-4708
800054466	FPK-4710	DS225566	FPK-4716	YT-3010	FPK-4728
800054472	FPK-4704	DS225567	FPK-4700	YT-3012	FPK-4700
800055186	FPK-4732	E-1959A	FPK-4720		
800055966	FPK-4700	E-1960	FPK-4722		
800058671	FPK-4728	E-3480	FPK-4712		
800060588	FPK-4732	E-6386	FPK-4716		
800060589	FPK-4728	E-6547	FPK-4732		
800066939	FPK-4724	E-6795	FPK-4732		
800085390	FPK-4706	E-7949	FPK-4708		
809084	FPK-4722	E-7950	FPK-4730		

AIR FILTER

F1-1
AIR FILTER

F1-15
AIR FILTER

F1-5
AIR FILTER

F1-8
FILTER

F-219-IMP
FILTER

F1-30869-001
CONVERTOR

COBRA
CONVERTOR


New Style Mitsubishi
COBRA-CB30177

CONVERTOR

COBRA-IMP
CONVERTOR

EB-2 EB-2-IMP
CONVERTOR

EB-IMP
CONVERTOR

JB-2
CONVERTOR

JB-2-IMP
CONVERTOR

LB-2-IMP
CONVERTOR

N2001
CONVERTOR

P-COBRA-IMP
CONVERTOR

RK-EPR-4-IMP
COTTON FILTER KIT


Fits all VFF-30-2
F1-10

ELECTRIC PRIMER


For remote priming of JB & EB convertors
PR-4604

FUEL INDICATOR LIGHT

74485

LOW FUEL LIGHT/BUZZER



M975

LOCK-OFF



VFF-30-2 VFF-30-2-IMP

O-RING



S3-30563-001

O-RING



S3-31195-001

PIN, CARBURETOR



P1-30559

REGULATOR



11A17-001

REGULATOR



AHR50-D

REGULATOR



CS4-30772-004

REGULATOR



EPR-50388-001

REGULATOR



HPR-3600

REPAIR KIT



AV1-12-2-IMP

REPAIR KIT

Black Diaphragm



For CA100 & CA125 Carburetors

AV1-14-2 AV1-14-2-IMP

REPAIR KIT

Silicone Diaphragm



For CA100 & CA125 Carburetors

AV1-14-4 AV1-14-4-IMP

REPAIR KIT



For Nissan H20 Engine

AV1-14-76-2 AV1-14-76-2-IMP

REPAIR KIT



AV1-25590-IMP

REPAIR KIT



New Style Mitsubishi

AV1-30115-IMP

REPAIR KIT



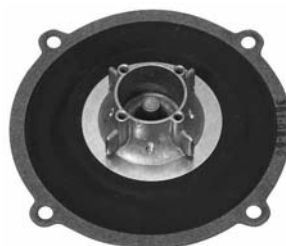
EV1-14-2-IMP

REPAIR KIT



EV1-14-9-IMP

REPAIR KIT



EV1-14-IMP

REPAIR KIT



For Model CA50

RK-CA50

REPAIR KIT



For Model CA55

RK-CA55-IMP

REPAIR KIT



For Model K & COBRA

RK-COBRA RK-COBRA-IMP

REPAIR KIT



For Model E

RK-E-2 RK-E-2-IMP

REPAIR KIT


RK-EPR-3-IMP

REPAIR KIT


RK-ET98-IMP

REPAIR KIT


RK-FL219-IMP

REPAIR KIT



For Model J (Black Diaphragm)

RK-J-IMP

REPAIR KIT



For Model J (Silicone Diaphragm)

RK-J-2 RK-J-2-IMP

REPAIR KIT



For Model L

RK-L-2 RK-L-2-IMP

REPAIR KIT



For Model VFF30

RK-VFF30-2 RK-VFF30-2-IMP

REPAIR KIT


RK-VFF30-IMP

SOLENOID



Vacuum Control

VCS-IMP

THERMOSTAT



5/8" Hose Inline

M456

THERMOSTAT



3/8" FMP

M456-1

CONVERTOR



ALGAS

C250A

CONVERTOR



ALGAS

SA2330-2

REPAIR KIT



ALGAS

2210

REPAIR KIT



ALGAS

SA2553-2

REPAIR KIT



ALGAS

1-7010

VAPOR HOSE (FUEL)



TOYOTA

23631-U2170-71

BULKHEAD FILTER



BEAM
711-2

BULKHEAD FILTER



BEAM
713

BULKHEAD FILTER



BEAM
713-RK

FILTER, INLINE



BEAM
F108

REGULATOR



BEAM
120A

REGULATOR



BEAM / GENERIC
T60-BEAM T60

REPAIR KIT



BEAM
120A-RBK

REPAIR KIT



BEAM
120A-RCK

REPAIR KIT



BEAM
120A-RK

REPAIR KIT



BEAM
60-RBK

REPAIR KIT



BEAM
60-RK

REPAIR KIT



BEAM
711-RK

VACUUM SWITCH



BEAM
1501-L

CONVERTOR



CENTURY
1477B

PRIMER BUTTON



CENTURY
317-529

REGULATOR



CENTURY
G85

REPAIR KIT



CENTURY
286-1301A

REPAIR KIT



CENTURY
286-1798

REPAIR KIT



CENTURY
286-1554

ADAPTER



1632302 / 5800724-82

FILTER KIT



1581761 / 5800558-82

FUEL HOSE



1632301 / 5800724-81

INJECTOR



1557560 / 5800482-87

INJECTOR



4013301 / 5820051-29

LOCKOFF VALVE



1585747 / 5800578-55

O-RING KIT



1698684 / 5800941-00

O-RING



1557565 / 5800482-92

O-RING



1585748 / 5800578-57

REGULATOR



2066924 / 5800475-66

REPAIR KIT



1692176 / 5800913-52

SENSOR, FUEL PRESSURE



1632300 / 5800724-80

SENSOR, OXYGEN



1557546 / 5800482-73

SENSOR, OXYGEN



4006802 / 5820053-68

THROTTLE BODY



1557547 / 5800482-74

ADAPTER


E1557200

ADAPTER


E1557400

COMMUNICATION CABLE

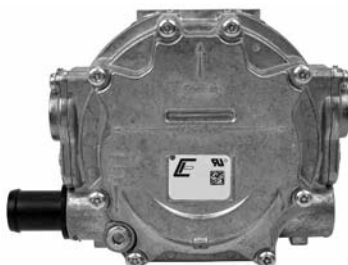

E2046002

FUEL PUMP


E1541001

GOVERNOR


E1312300

REGULATOR


E2377000A

REGULATOR


E2033001

REGULATOR


E2325300

REGULATOR


E2376005C

REPAIR KIT


E1860010

REPAIR KIT


E2141010A

REPAIR KIT


E2376002A

REPAIR KIT


E2377002A

SENSOR, MAP


E1466001

SENSOR, OXYGEN


E1799102

TRIM VALVE


E1358000

DIAPHRAGM KIT



Type

ADK-01

LPG FILTER



Type

AF-01

REGULATOR



Type

AR-01

REGULATOR



Type

AR-02

REGULATOR



Type

AR-03

REGULATOR



Type

AR-04

REGULATOR



Type

AR-05

REGULATOR



Type

AR-06

REGULATOR



Type

AR-07

REGULATOR



Type

AR-08

REGULATOR



Type

AR-09

REGULATOR



Type

AR-10

REGULATOR



Type

AR-11

REPAIR KIT



Type

ARK-01

SOLENOID



Type

AS-01

VALVE KIT



Type

AVK-01

HYSTER

TOYOTA

TOYOTA

YALE

Part#	Desc.	Type
1469346	Regulator	AR-01
1479508	Solenoid	AS-01
1479530	Valve Kit	AVK-01
1479531	Diaphragm Kit	ADK-01
1487199	Regulator	AR-02
1544792	LPG Filter	AF-01
1594144	Regulator	AR-03

Part#	Desc.	Type
04221-20401-71	Diaph. Kit	ADK-01
04221-U1104-71	Diaph. Kit	ADK-01
04236-U1100-71	Repair Kit	ARK-01
04237-20030-71	Valve Kit	AVK-01
04237-U1101-71	Valve Kit	AVK-01
23510-U2230-71	Regulator	AR-04
23530-U1103-71	Regulator	AR-05
23530-U2200-71	Regulator	AR-06
04221-20401-71	Diaph. Kit	ADK-01

Part#	Desc.	Type
23530-U3270-71	Regulator	AR-05
23550-U2200-71	Regulator	AR-07
23550-U3300-71	Regulator	AR-08
23570-23321-71	Regulator	AR-09
23580-U1103-71	Regulator	AR-10
23580-U2200-71	Regulator	AR-11
23580-U3270-71	Regulator	AR-10
23620-23340-71	Solenoid	AS-01
23620-U1101-71	Solenoid	AS-01

Part#	Desc.	Type
5800145-64	Regulator	AR-01
5800171-94	Solenoid	AS-01
5800172-16	Valve Kit	AVK-01
5800172-17	Diaph. Kit	ADK-01
5800200-05	Regulator	AR-02
5800432-55	Filter, Lpg	AF-01
5800604-05	Regulator	AR-03

DIAPHRAGM KIT

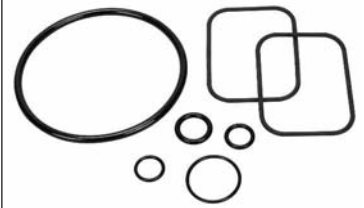
Type
DK-01

DIAPHRAGM KIT

Type
DK-02

DIAPHRAGM KIT

Type
DK-02

REPAIR KIT

Type
RK-01

REPAIR KIT

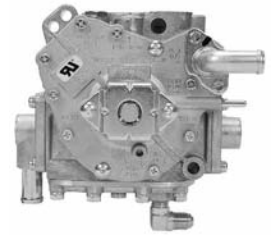
Type
RK-02

VALVE ASSEMBLY

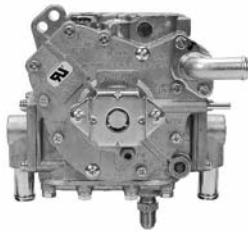
Type
VA-01

VAPORIZER

Type
VZ-01

VAPORIZER

Type
VZ-02

VAPORIZER

Type
VZ-03

Pictures are for identification only. The same style does not mean they are the same product. The pressure from vaporizers differ based on truck. Please order by part number or provide the model of the truck and we will provide the correct part you require.

MITSI / CAT

Part #	Description	Type
90425-08490	Repair Kit	RK-01
91965-07500	Repair Kit	RK-01
91965-07700	Diaphragm Kit	DK-01
91A65-00401	Vaporizer	VZ-03
91A65-01601	Vaporizer	VZ-01
91A65-21600	Vaporizer	VZ-01
91H20-04380	Diaphragm Kit	DK-02
91H20-04460	Valve Assembly	VA-01
91H20-04480	Diaphragm Kit	DK-02
91H20-14470	Diaphragm Kit	DK-01

NISSAN

Part #	Description	Type
16310-FT860	Vaporizer	VZ-03
16310-GS00A	Vaporizer	VZ-01
16310-GS40A	Vaporizer	VZ-02
16310-GU20A	Vaporizer	VZ-02

NISSAN

Part #	Description	Type
16310-GY36B	Vaporizer	VZ-01
16310-GY960	Vaporizer	VZ-03
16310-GZ560	Vaporizer	VZ-01
16310-RPKIT	Repair Kit	RK-02
16328-GS00A	Repair Kit	RK-01
16328-GY010	Repair Kit	RK-01
17053-FU460	Diaphragm Kit	DK-02
17054-FU460	Diaphragm Kit	DK-02
17960-GU60A	Diaphragm Kit	DK-01
17960-VR500	Diaphragm Kit	DK-01
17962-FU460	Valve Assembly	VA-01

TCM

Part #	Description	Type
17960-GU60A	Diaphragm Kit	DK-01
547C0-52001	Vaporizer	VZ-01



Type
AF-01



Type
AF-02



Type
NJ-01



Type
NJ-02



Type
IH-01



Type
IH-02



Type
IH-03



Type
SS-01



Type
SS-02



Type
SS-03



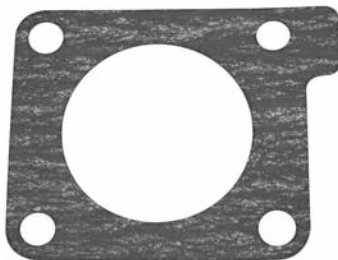
Type
SG-01



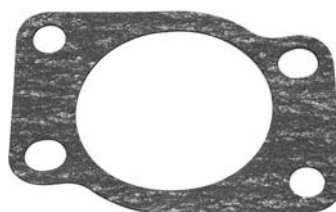
Type
TC-01



Type
TC-02



Type
TCG-01



Type
TCG-02



Type
NJG-01

KOMATSU / NISSAN / TCM

Part #	Description	Type
16098-FU460	Air Filter	AF-01
16098-GS07A	Air Filter	AF-02
16119-FU46B	Throttle Chamber	TC-01
16119-GS00A	Throttle Chamber	TC-02
16175-FU460	Throttle Chamber Gasket	TCG-01
16175-FU470	Gasket, Injector	TCG-02
16175-GS00A	Throttle Chamber Gasket	TCG-01
16175-GS00B	Throttle Chamber Gasket	NJG-01
16197-FU46A	Sensor	SS-01
16600-FU460	Injector	NJ-01
16600-GS07B	Injector	NJ-02
16600-GS17B	Injector	NJ-02
16600-GU61A	Injector	NJ-01
16610-FT860	Injector Holder Assembly	IH-01
16610-FT960	Injector Holder Assembly	IH-01
16610-FU46A	Injector Holder Assembly	IH-01
16610-FU561	Injector Holder Assembly	IH-01
16610-GS07E	Holder Assembly Injector	IH-03
16610-GS17A	Holder Assembly Injector	IH-03
16638-GX11A	Fuel Pressure Sensor	SS-02
17052-FU460	Spring	SG-01
22690-FU460	Oxygen Sensor	SS-03
A6600-FU471	Injector	NJ-02
A6600-FU571	Injector	NJ-02
A6610-GX11A	Holder Assembly Injector	IH-02
A6610-GX21A	Holder Assembly Injector	IH-02

MITSI / CAT

Part #	Description	Type
90425-01800	Throttle Chamber Gasket	TCG-01
90425-03110	Throttle Chamber	TC-01
90425-05130	Injector	NJ-01
90425-08330	Air Filter	AF-01
90425-08560	Injector	NJ-02
90425-18040	Injector	NJ-02
90425-18080	Fuel Pressure Sensor	SS-02
90425-18250	Sensor	SS-01
91965-07800	Air Filter	AF-02
91A62-03500	Oxygen Sensor	SS-03
91H20-04420	Spring	SG-01
91H20-05160	Gasket, Injector	TCG-02
91H20-05180	Injector Holder Assembly	IH-01
91H20-05190	Injector Holder Assembly	IH-01
91H20-05970	Throttle Chamber	TC-02
91H20-05980	Throttle Chamber Gasket	TCG-01
91H20-05990	Throttle Chamber Gasket	NJG-01

MITSI / CAT

Part #	Description	Type
91H20-06090	Injector	NJ-01
91H20-06690	Injector	NJ-02
91H20-15230	Injector	NJ-02
91H20-16110	Holder Assembly Injector	IH-03
91H20-16120	Holder Assembly Injector	IH-03
A0000-30997	Holder Assembly Injector	IH-02

PROPANE FITTINGS

314

				
1/4 Male Pipe to 3/8 ID 74401	1/2 NPT to 5/8 ID 74402	3/8 x 3/8 Flare 74403	1/2 Male Pipe to 3/8 ID 74404	
				
1/4 x 3/8 Flare 74405	3/8 SAE-3/8 ID 74406	1/4 x 3/8 Flare 74407	3/8 x 1/4 Male Pipe 74408	
				
1/4 x 1/4 x 13/8 Brass 74409	1/4 x 1/4 Elbow 74412	3/8 SAE-#6 Hose 74415	1/8 NPT to 1/4 ID 74417	
				
1/8 x 1/4 Brass 74419	3/8 NPT 5/8 Hose 74420	1/2 x 5/8 Nylon 74421	Standard 2 Hole Bulkhead 74437	
				
Hydrostatic Relief Valve 74438	3/8 x 3/8 Male Pipe 74452	3/8 Male Pipe to 3/8 ID 74453	3/8 x 3/8 Male Pipe 74454	
				
3/8 NPT to 5/8 ID 74455	5/8 Hose x 70-.90 Port 74457	3/4 Hose x 70 - .78 Port 74460	5/8 Hose x 90 - .78 Port 74463	.78 Port Plug 74466



5/8 Hose x 70 - .78 Port
74469



5/8 Hose x 180 - .78 Port
74472



5/8 Hose x 180 - .78 Port
74475



.90 Port Plug
74478



3/4 Hose x 70 - .90 Port
74481



3/4 Hose x 180 - .90 Port
74484



1/2 Pipe x 5/8 Hose - 180
74487



1/8 Pipe x 1/4 Hose - 90
74490



1/8 Pipe x 3/8 Hose - 90
74493



1" Pipe x 1" Hose - 90
74495



1" Hose X 3/4" NPT Straight
74496



1" Hose X 1" NPT X 90°
74499



1" Hose X 1" NPT Straight
74502



5/8" Hose X 1/2" NPT X 90°
74505



1" Hose X 3/4" NPT X 90°
74508



5/8" Hose X 1/2 NPT X 90°
74511



5/8" Hose X 3/8 NPT X 90°
74514



3/8 Pipe x 5/8 Hose - 90
74517



1/2 Pipe x 5/8 Hose - 90
74520



1/4 Pipe x 1/4 INV FMP
74523



1/4 Pipe x 3/8 INV FL 90
74526



3/8 Close Nippel for M456-1
74529



#6 Hose x 1/4 Pipe
74532



#6 Hose x 90 3/8 SAE
74535



3/8 NPT X 3/8 NPT
Brass Hex Nipple
74538

PROPANE SOLENOID VALVES

316

BULKHEAD VALVE



156

LOCK-OFF VALVE



ET98-50362-001

LOCK-OFF VALVE



ET98-51315-001

LOCK-OFF VALVE



FL-218

LOCK-OFF VALVE



FL-221

LOCK-OFF VALVE



FL-418

SHUT-OFF VALVE



142

SOLENOID VALVE



1110H2

SOLENOID VALVE



111A

SOLENOID VALVE



121B

SOLENOID VALVE



90°

123B

SOLENOID VALVE



151

SOLENOID VALVE



152

SOLENOID VALVE



155

SOLENOID VALVE



Century

2341

SOLENOID VALVE



90°

7007

SOLENOID VALVE



180°

7008

SOLENOID VALVE



A121R

SOLENOID VALVE



ET98-30515-001

VACUUM CONTROL SOLENOID



VCS-IMP

CARBURETOR

CA100-110
CARBURETOR

CA100-124-2
CARBURETOR

CA100-126
CARBURETOR

CA100-134
CARBURETOR

CA100-139
CARBURETOR

CA100-230
CARBURETOR

CA100-498
CARBURETOR

CA100-621
CARBURETOR

CA100-64G
CARBURETOR

CA100-91A
CARBURETOR

CA100-KOM
CARBURETOR

CA100M-3-M
CARBURETOR

CA125-0246
CARBURETOR

CA125-134
CARBURETOR

CA125-20-M
CARBURETOR

CA125-76-2
CARBURETOR

CA125100-2
CARBURETOR

CA300AM-50-2
CARBURETOR

CA55-258
CARBURETOR

CA55-258L

PROPANE CARBURETORS/MIXERS

318

CARBURETOR



CA55-271

CARBURETOR



CA55-542

CARBURETOR



CA55-542-M

CARBURETOR



CA55-553

CARBURETOR



CA55-576

CARBURETOR



CA55-577

CARBURETOR



CA55-577-H25

CARBURETOR



CA55-577-M

CARBURETOR



CA55-596-2

CARBURETOR



CA55-598

CARBURETOR



CA55-599-2

CARBURETOR



CA55-66

CARBURETOR



CA55-756L

CARBURETOR



CA55M-500

CARBURETOR



CA55M-500-2

CARBURETOR



CA55M-500-4Y

CARBURETOR



CA55M-500M

CARBURETOR



CT60-30673

MIXER



CA100M-2

MIXER



CA100M-2-2

MIXER

CA100M-3
MIXER

CA100M-3-9
MIXER

CA100M-4
MIXER

CA125M-10-2
MIXER

CA125M-2
MIXER

CA125M-3
MIXER

CA200M-2-1FB
MIXER

CA200M-2-2FB
MIXER

CA225M-2
MIXER

CA55M-4
MIXER

CA55M-5
MIXER

CT425M-2
MIXER

FB-200M-1
MIXER

FB-200M-2
MIXER

FT60M-3-3
**MIXER
SUB ASSEMBLY**

FT100M-30828-52-001
**MIXER
SUB ASSEMBLY**

FT100M-30828-52-003
**MIXER
SUB ASSEMBLY**

FT150-30919-20-001
**MIXER
SUB ASSEMBLY**

FT60M-30741-52-001
**MIXER
SUB ASSEMBLY**

FT60M-30741-52-002

MIXERS/THROTTLE BODYS/ACCESSORIES

320

MIXER
SUB ASSEMBLY



FT60M-30741-52-003

MIXER
SUB ASSEMBLY



FT60M-30741-52-004

MIXER
SUB ASSEMBLY



FT60M-30741-52-005

MIXER
SUB ASSEMBLY



FT60M-31139-52-001

MIXER
SUB ASSEMBLY



FT60M-31139-52-003

THROTTLE BODY



1557547

THROTTLE BODY



5800482-74

THROTTLE BODY



AT2-16-1

THROTTLE BODY



AT2-16-1

THROTTLE BODY



AT2-16-2

THROTTLE BODY



AT2-26-2

THROTTLE BODY



AT2-27-2

THROTTLE BODY



AT2-4-2



Lever assembly for 1/4 throttle shaft.
Used on CA100, CA125, CA50, CA55

AL1-31



Lever assembly for 5/16 throttle shaft.
Used on CA100, CA125

AL1-33



Lever assembly for 5/16 throttle shaft.
Used on CA100, CA125 with H20 Engine

AL1-33-76



Lever assembly for 1/4 throttle shaft.
Used on J15 Engine

AL1-31-124



Lever assembly for 1/4 throttle shaft.
Spring Loaded

AL1-25-1



Lever assembly for 5/16 throttle shaft.
Spring Loaded

AL1-25-2



Lever assembly for
1/4 floating throttle shaft.

AL1-26-1



Lever assembly for
5/16 floating throttle shaft.

AL1-27-1



Return Spring kit for 1/4 throttle shaft.

AS2-50-1



Return Spring kit for 5/16 throttle shaft.

AS2-50-2



Throttle Shaft 1/4 Dia. x 4 3/4 Length

N-S5-6



Throttle Shaft 5/16 Dia. x 5 1/4 Length

N-S5-7



Throttle Shaft 5/16 Dia. x 6 1/8 Length

N-S5-11



Ball Stud. 1/4 Ball x 10/32 Thread

S3-31



Ball Stud. 5/16 Ball x 1/4 Thread

S3-34

A = Air Horn, B = Bolt-to-Bolt, C = Intake Hole			
Part#	A	B	C
1557547	2 1/4"	n/a	1 7/8"
5800482-74	2 1/4"	n/a	1 7/8"
AT2-16-1	n/a	n/a	1 11/16"
AT2-16-2	n/a	n/a	1 11/16"
AT2-26-2	n/a	2 3/8"	13/16"
AT2-27-2	n/a	2 11/16"	13/16"
AT2-4-2	n/a	1 15/16"	1 11/16"
CA100-110	2"	2 3/8"	1 1/8"
CA100-124-2	2 1/4"	2 3/8"	1 1/4"
CA100-126	2"	2 3/4"	1 7/8"
CA100-134	2"	2 1/16"	13/16"
CA100-139	2"	2 3/8"	1 1/4"
CA100-230	2"	2 1/16"	1 1/4"
CA100-498	2 1/4"	2 3/4"	1 11/16"
CA100-621	2 1/4"	2 3/4"	1 7/16"
CA100-64G	2"	3 1/8"	1 3/4"
CA100-91A	2 1/4"	2 3/4"	1 11/16"
CA100-KOM	2"	2 1/8"	1 1/8"
CA100M-2	1 7/8"	n/a	1 7/8"
CA100M-2-2	1 7/8"	n/a	1 7/8"
CA100M-3	2"	n/a	1 7/8"
CA100M-3-9	2"	n/a	1 7/8"
CA100M-3-M	2"	2 3/4"	1 7/16"
CA100M-4	2 1/4"	n/a	1 7/8"

A = Air Horn, B = Bolt-to-Bolt, C = Intake Hole			
Part#	A	B	C
CA125-0246	2 1/4"	2 3/8"	1 3/8"
CA125-134	2 1/4"	n/a	3 5/16"
CA125-20-M	3"	2 13/16"	1 3/4"
CA125-76-2	3 1/4"	2 11/16"	1 7/16"
CA125100-2	3 1/16"	2 7/8"	1 3/4"
CA125M-10-2	n/a	n/a	1 7/8"
CA125M-2	n/a	n/a	1 13/16"
CA125M-3	n/a	n/a	1 3/16"
CA200M-2-1FB	2 1/2"	n/a	2 3/8"
CA200M-2-2FB	3"	n/a	2 3/8"
CA225M-2	n/a	n/a	2 3/8"
CA300AM-50-2	n/a	n/a	n/a
CA55-258	2"	n/a	2"
CA55-258L	2"	n/a	1 3/16"
CA55-271	2"	3"	1 1/4"
CA55-542	2 1/4"	2 3/8"	1 5/8"
CA55-542-M	2 1/4"	2 3/8"	1 5/8"
CA55-553	2"	2"	1 1/4"
CA55-576	1 1/8"	2 1/8"	1"
CA55-577	1 5/8"	2 1/8"	1"
CA55-577-H25	2 1/2"	3 1/4"	1 3/8"
CA55-577-M	1 5/8"	2 1/8"	1"
CA55-596-2	1 7/16"	2 11/16"	1 3/16"
CA55-598	2 1/2"	2 11/16"	1 1/4"

A = Air Horn, B = Bolt-to-Bolt, C = Intake Hole			
Part#	A	B	C
CA55-599-2	2 1/2"	2 11/16"	1 3/16"
CA55-756L	2"	n/a	2"
CA55M-4	1 7/8"	n/a	1 3/8"
CA55M-5	2 1/16"	n/a	1 1/8"
CA55M-500	n/a	n/a	1 1/16"
CA55M-500-2	n/a	n/a	1 1/16"
CA55M-500-4Y	1 1/16"	3"	1 1/4"
CA55M-500M	3 1/8"	2 11/16"	1 1/2"
CT425M-2	5"	n/a	n/a
CT60-30673	2"	2 11/16"	1 7/16"
FB-200M-1	2 5/8"	n/a	2 3/8"
FB-200M-2	3 1/16"	n/a	2 3/8"
FT100M-30828-52-001	2	n/a	1 13/16"
FT100M-30828-52-003	2	n/a	1 13/16"
FT150-30919-20-001	3 3/4"	n/a	2"
FT60M-3-3	2"	n/a	1 3/8"
FT60M-30741-52-001	2"	n/a	1 3/8"
FT60M-30741-52-002	2"	n/a	1 3/8"
FT60M-30741-52-003	2"	n/a	1 3/8"
FT60M-30741-52-004	2"	n/a	1 3/8"
FT60M-30741-52-005	2"	n/a	1 3/8"
FT60M-31139-52-001	2"	n/a	1 3/8"
FT60M-31139-52-003	2"	n/a	1 3/8"



Type
A



Type
B



Type
C



Type
D



Type
E



Type
F



Type
G



Type
H



Type
I



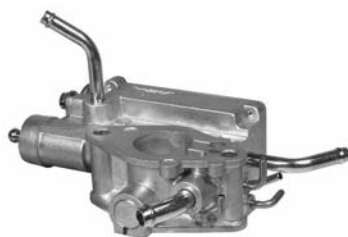
Type
J



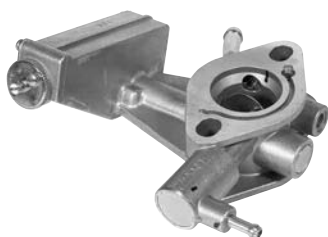
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Type
L



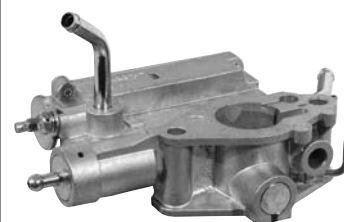
Type
M



Type
N



Type
O



Type
P



Type
Q



Type
R



Type
S



TYPE
T



Type

U



Type

V



Type

X

CLARK

Part#	Engine	Type
3768087	4G32	O
916003	4G54	O
918307	4G63 & 4G64	O

DAEWOO

Part#	Engine	Type
A252194	4G63 & 4G64	O

E-CONTROLS

Part#	Engine	Type
E1312100	GM 3.0L & 4.3L	Q
E1312300	GM 3.0L & 4.3L	R

HYSTER

Part#	Engine	Type
1361751	FE, GM 2.2L & GM 3.0L	P

IMPCO

Part#	Engine	Type
AT2-200	F2, FE, GM 3.0L & 4.3L	X
AT2-46G-096	F2, FE, GM 3.0L & 4.3L	T
AT2-60G-1	F2, FE, GM 3.0L & 4.3L	U
AT2-77G	F2, FE, GM 3.0L & 4.3L	V
ATGC-30312-32-25-64	F2, FE, GM 3.0L & 4.3L	S

KALMAR AC

Part#	Engine	Type
4942343	H20	E
4947836	P40	H
4968792	P40 & TB42	I
8762036	H20 II & H25	D

KOMATSU

Part#	Engine	Type
19100-K7203	H20	C
19100-K7320	H20	E
19100-K9000	H20	B
19100-K9300	H20 II & H25	D
19101-K4071	P40	H
19101-K8400	P40 & TB42	I

MITSI/CAT

Part#	Engine	Type
MD190798	4G33	O
MD190799	4G52	O
MD192295	4G54	O
MD325555	4G63 & 4G64	O

NISSAN

Part#	Engine	Type
19100-00H73	H20 & Z24	B
19100-05H02	A15	B
19100-20H74	Z24	B
19100-50K00	H20 II	A
19100-50K71	H20 II	A
19100-51K66	H20 II	A
19100-60K00	H20 II & H25	A
19100-60K71	H20 II & H25	A
19100-L1105	H20	E
19100-L1603	J15	F
19100-L3202	J15	F
19101-52H02	TB42	G
19101-L6202	P40	J

TCM

Part#	Engine	Type
19100-00H73	H20	B
19100-05H02	A15	B
19100-20H74	Z24	B
19100-51K66	H20 II & H25	A
19100-K7203	H20	C
19100-K7256	H20	E
19100-K7800	A15	B
19100-K9703	H25	A
19100-L1603	J15	F
212T1-06821	4Y	M

TOYOTA

Part#	Engine	Type
26300-23630-71	4Y	M
26300-31720-71	GM 6cyl	K
26300-78021-71	4P	L
26300-78022-71	4P	L
26300-78036-71	4P	L
26300-78052-71	4P & 5R	L
26300-78159-71	4Y	M
26300-U1101-71	4Y & GM 4181	M
26300-U2120-71	GM 4cyl	N

YALE

Part#	Engine	Type
5059595-27	FE, GM 3.0L	P
5800241-61	F2 & FE	P

NOTE: Pictures are for identification only. The same *TYPE* does not mean they are the same governor. The mounting bolt positions and air-horn sizes are different. Please order by required part number or provide model of your truck and we will provide the correct part number.

ASIAN TO IMPCO



TOYOTA
BP-4T



HYSTER / YALE
BP-8H

GASOLINE TO LPG

**1 KIT
FITS
ALL**

HOSES INCLUDED:

5/8" Water Hose 64"L
5/8" Vapor Hose 38"L
5/16" High Pressure Hose 86 1/2"L
3/16" Vacuum Hose 37"L



Converts any 4 or 6 cylinder from gasoline to LPG

4 Cylinder
KC-4-UNIVERSAL

6 Cylinder
KC-6-UNIVERSAL

**1 KIT
FITS
ALL**

HOSES INCLUDED:

3/8" Water Hose 64"L
5/8" Vapor Hose 38"L
5/16" High Pressure Hose 37"L
3/16" Vacuum Hose 37"L



Replaces all existing LPG under the hood

4 Cylinder
KP-4-UNIVERSAL

6 Cylinder
KP-6-UNIVERSAL

HYSTER



Swing out & down

1524006

MITSI / CAT



Low Profile

TB-2-06

NISSAN



Swing Out

17915-FB300

NISSAN



Swing out & down

17915-FB485

NISSAN



Swing out

17915-FC000

NISSAN



Swing out

17915-FC010

TOYOTA



Swing out - 6 series

23602-U2100-71

TOYOTA



Swing out - 7 series

23607-U2170-71

UNIVERSAL



TB-2

UNIVERSAL



TB-3

UNIVERSAL



TB-28

UNIVERSAL



Swings tank bracket away from seat or hood clearance when open

TB-BRACKET

UNIVERSAL



Complete kit for laydown kits

TB-KIT

UNIVERSAL



Roll & Tilt away bracket commonly used on Komatsu

TB-TILT

UNIVERSAL



Shrouded horizontal tank bracket assembly

TB-SHROUD

YALE






Swing out & down

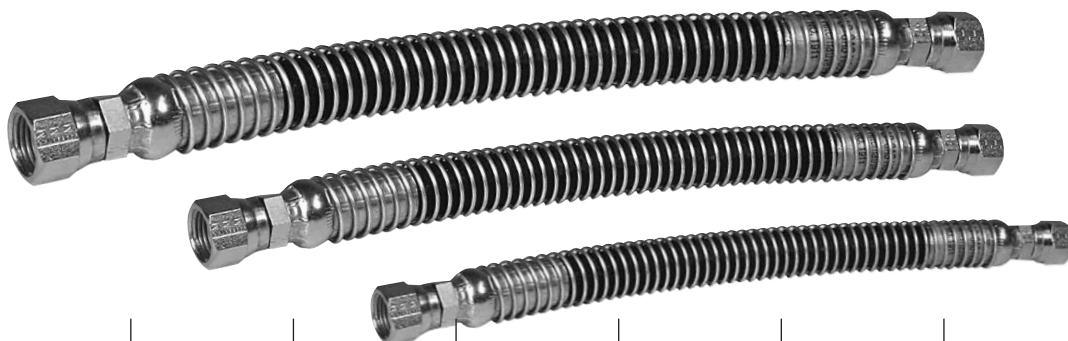
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TOYOTA & UNIVERSAL TANK BRACKET PARTS

326

TOYOTA  Stopper 23504-23000-71	TOYOTA  Stopper 23504-23470-71	TOYOTA  Stopper Pin 23522-22800-71	TOYOTA  Toggle Clamp Clevis 23605-23001-71
TOYOTA  Pin 23624-23800-71	TOYOTA  Toggle Clamp 23705-23001-71	TOYOTA  Spring 64263-U2000-71	UNIVERSAL  Stop Bleeder 3165C
UNIVERSAL  Coupler (Female) 7141F-AM	UNIVERSAL  Rego Coupler (Female) 7141F-REGO	UNIVERSAL  Rego Coupler (Male) 7141M	UNIVERSAL  O-Ring (Outer, Flat / 7141M) 7141M3
UNIVERSAL  O-Ring (Inner / 7141M) 7513-25	UNIVERSAL  Filler Valve Cap (Yellow) 7635SC	UNIVERSAL  Filler Valve 7647SC	UNIVERSAL  Valve Assembly 9101P5H
UNIVERSAL  Inner O-Ring MSW2	UNIVERSAL  Toggle Clamp TB2-60		

**U.L.
APPROVED**



12 inch 6-LPG-12	18 inch 6-LPG-18	24 inch 6-LPG-24	30 inch 6-LPG-30	36 inch 6-LPG-36	42 inch 6-LPG-42	48 inch 6-LPG-48	144 inch 6-LPG-144	192 inch 6-LPG-192
#6 HIGH PRESSURE HOSE		1/2" VAPOR HOSE		5/8" VAPOR HOSE		3/4" VAPOR HOSE		3/8" WATER HOSE
								
Sold by the foot 75566		Sold by the foot 75515		Sold by the foot 75522		Sold by the foot 75545		Sold by the foot 75577

ANALYZER KITS



Generic
G-ITK-4



Original IMPCO
ITK-4-IMP

STEEL TANKS

Part#	LBS.	Includes
4470	20	A,B,C,D,E
4480	20	A,B,C,D,E,F
5570	33.5	A,B,C,D,E
5580	33.5	A,B,C,D,E,F
6670	43.5	A,B,C,D,E
6680	43.5	A,B,C,D,E,F

Durable, economical.

Worthington provides superior durability and economy with the industry's largest selection of steel forklift cylinders.

All three steel forklift cylinders feature two-piece construction with one horizontal weld for a stronger, better looking cylinder with less chance of leakage. The rugged, damage-resistant footring minimizes future repairs. Interior cylinder walls are smooth, dry and free of foreign matter.

Our Durabond 2000 powder coat paint is unmatched for field durability with protection against rust and corrosion. We offer multiple valve configurations, adaptable for your specific requirements.

Size	20 lb.	33.5 lb.	43.5 lb.
LPG Capacity	4.7 gal. 17.9 liters	7.9 gal. 29.9 liters	10.3 gal. 38.8 liters
Water Capacity	47.6 lb. 21.6 kg	80.0 lb. 36.3 kg	103.6 lb. 47.0 kg
Tare Weight	26.5lb. 12.0 kg	34.5 lb. 15.6 kg	40.0 lb. 18.1 kg
Cylinder Volume	1320 cu. in. 21.6 liters	2219 cu. in. 36.4 liters	2873 cu. in. 47.1 liters
Collar Height	6.4 in. 162.6 mm	6.4 in. 162.6 mm	6.4 in. 162.6 mm
Specification	DOT-4BA240	DOT-4BA240	DOT-4BA240

* Dimensions and capacities are approximate and may vary slightly from pictures.

ALUMINUM TANKS

Part#	LBS.	Includes
4450A	20	A,B,C,D,E
4460A	20	A,B,C,D,E,F
5550A	33.5	A,B,C,D,E
5560A	33.5	A,B,C,D,E,F
6650A	43.5	A,B,C,D,E
6660A	43.5	A,B,C,D,E,F

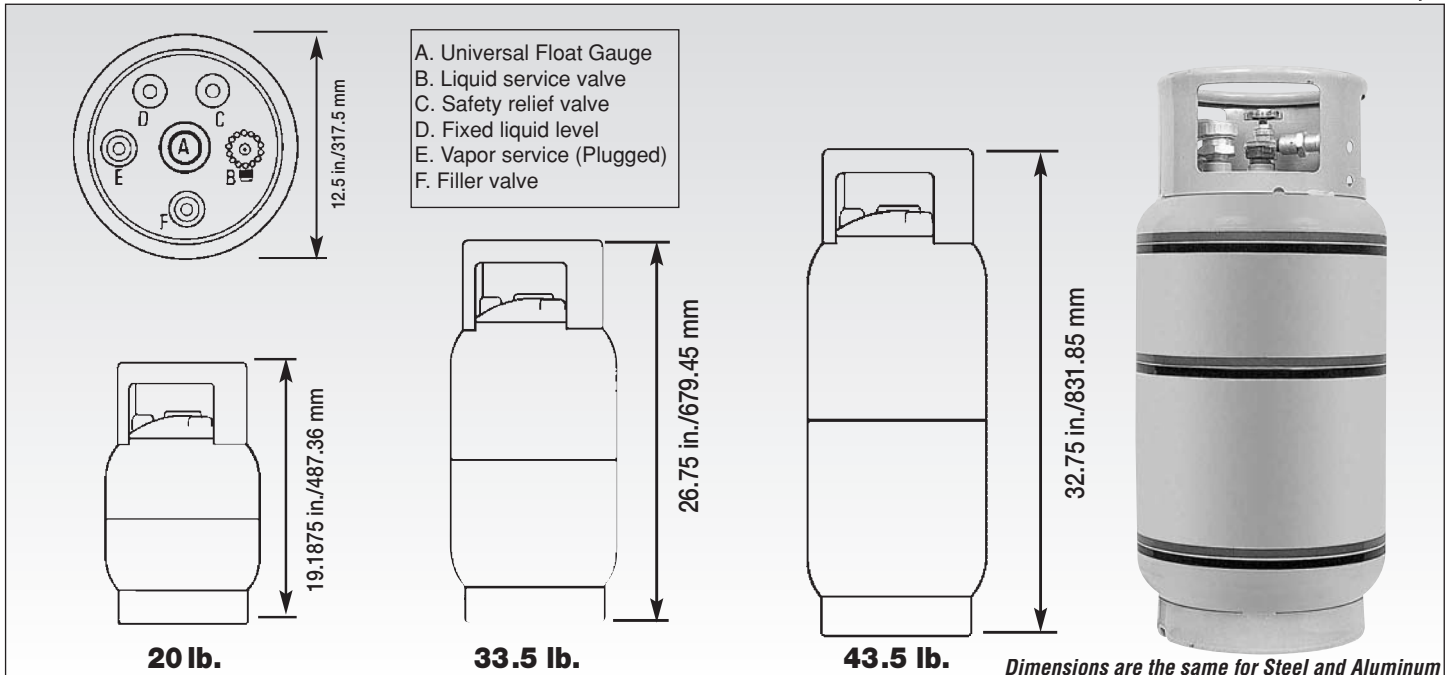
High return on investment.

Worthington combines the highest standards of manufacturing quality with the light weight and durability of aluminum to provide your lift truck cylinders that readily return of your investment through savings in handling, repairs, maintenance, and customer preference. Manufactured in accordance with DOT-4E240 specifications.

Lightweight, easy-to-handle aluminum cylinders can increase delivery efficiency and decrease lifting injuries. Aluminum is non-sparking for greater safety, and service life is twice as long as steel with virtually no repairs. The aluminum cylinder interiors are resistant to flaking or scaling, and are clean, dry and smooth.

Size	20 lb.	33.5 lb.	43.5 lb.
LPG Capacity	4.7 gal. 17.9 liters	7.9 gal. 29.9 liters	10.3 gal. 38.8 liters
Water Capacity	47.6 lb. 21.6 kg	80.0 lb. 36.3 kg	103.6 lb. 47.0 kg
Tare Weight	19.0lb. 8.6 kg	23.5 lb. 10.7 kg	26.5 lb. 12.0 kg
Cylinder Volume	1320 cu. in. 21.6 liters	2219 cu. in. 36.4 liters	2873 cu. in. 47.1 liters
Collar Height	6.8 in. 172.7 mm	6.8 in. 172.7 mm	6.8 in. 172.7 mm
Specification	DOT-4E240	DOT-4E240	DOT-4E240

* Dimensions and capacities are approximate and may vary slightly from pictures.

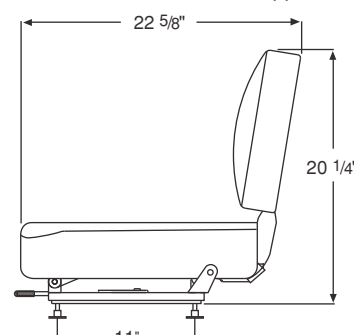
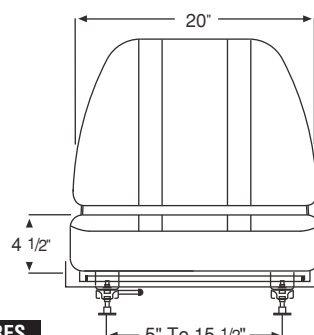




Total Seat
MODEL 100

STANDARD FEATURES:

- Heavy duty 7/8" tubular frame with Flex-O-Lator & coil spring support.
- Seat belt brackets.
- Forward tilt & folding back.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 5" to 15 1/2" lateral adjustment.
- 1.4 lb density foam pack with 55 lb. compression foam cushion.
- 40 oz. fire retardant vinyl.
- 19 3/4" wide bottom seat cushion.
- 20" wide back cushion for lower back support.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☒ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

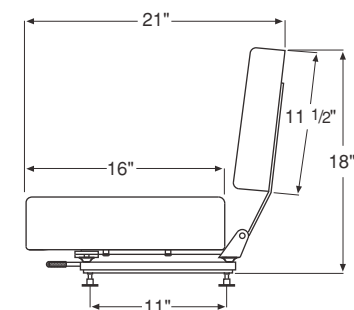
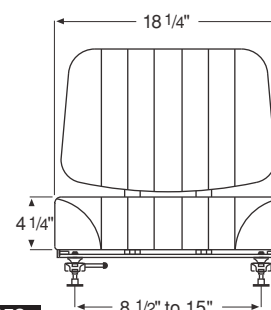
- * Seat belts (Retractable or Lap)
- * Electric Seat Switch



Universal Bucket Seat
MODEL 200

STANDARD FEATURES:

- Heavy duty steel frame with seat belt brackets.
- Straight back.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 8" to 15" lateral adjustment.
- 1.4 lb density foam pack with 55 lb. compression foam cushion.
- 32 oz. fire retardant vinyl.
- 19" wide bottom seat cushion.
- 19" wide back cushion.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

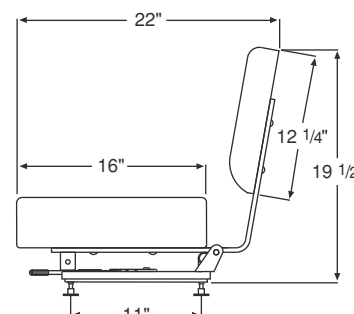
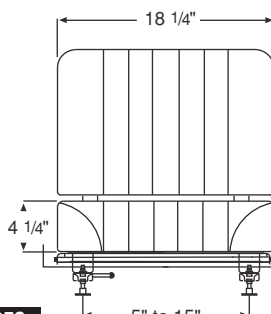
- * Seat belts (Retractable or Lap)
- * Electric Seat Switch



Total Seat
MODEL 300

STANDARD FEATURES:

- Heavy duty steel frame with seat belt brackets.
- Forward Tilt.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 5" to 15 1/2" lateral adjustment.
- 1.4 lb density foam pack with 55 lb. compression foam cushion.
- 32 oz. fire retardant vinyl.
- 18" wide bottom seat cushion.
- 18" wide back cushion.



TILT & FOLD BACK FEATURES

- ☒ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Seat belts (Retractable or Lap)
- * Electric Seat Switch

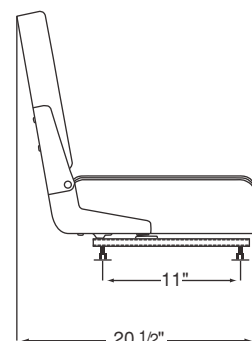
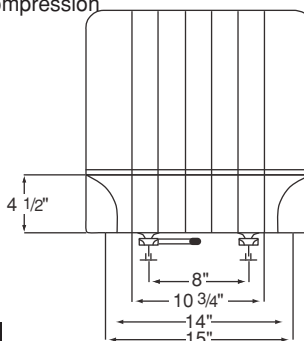


**Universal Bucket Seat
MODEL 400**

STANDARD FEATURES:

- Folding seat assembly with seat belt brackets.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- Seat bottom designed for multi mounting positions from: 8" thru 10 3/4" to 14" thru 15" track setting.
- 1.4 lb density foam pack with 55 lb. compression foam cushion.

- 32 oz. fire retardant vinyl.
- 19" wide bottom seat cushion.
- 19" wide back cushion.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Seat belts (Retractable or Lap)
- * Electric Seat Switch

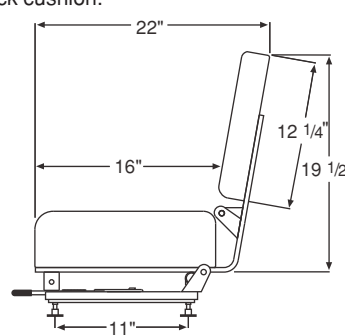
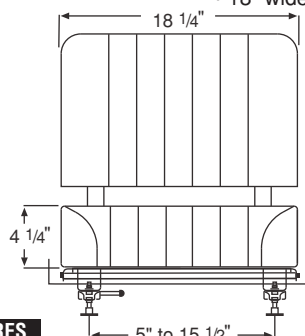


**Universal Bucket Seat
MODEL 500**

STANDARD FEATURES:

- Heavy duty steel frame with seat belt brackets.
- Forward tilt and folding back.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 5" to 15" lateral adjustment.

- 1.4 lb density foam pack with 55 lb. compression foam cushion.
- 32 oz. fire retardant vinyl.
- 18" wide bottom seat cushion.
- 18" wide back cushion.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☒ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Seat belts (Retractable or Lap)
- * Electric Seat Switch

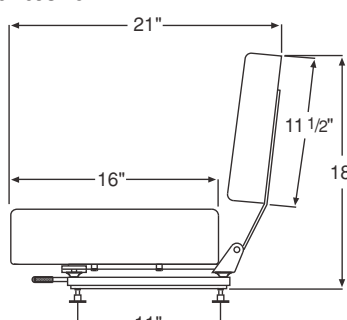
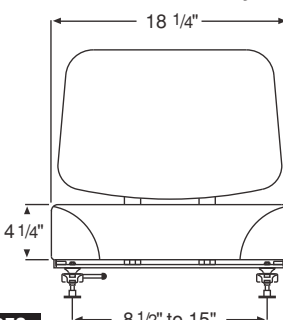


**Universal Standard Seat
MODEL 600**

STANDARD FEATURES:

- Heavy duty steel frame with seat belt brackets.
- Straight back.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 8 1/2" to 15" lateral adjustment (2 adjustment spaces).

- 1.4 lb density foam pack with 55 lb. compression foam cushion.
- 32 oz. fire retardant vinyl.
- 19" wide bottom seat cushion.
- 19" wide back cushion.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

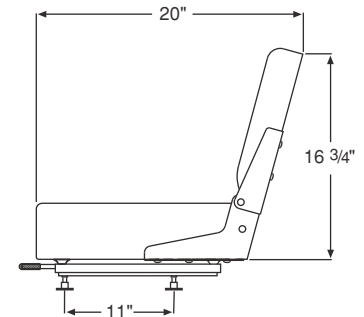
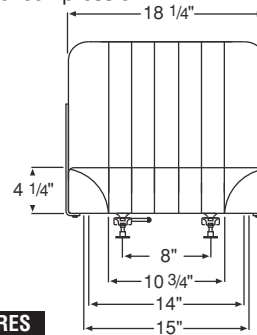
- * Seat belts (Retractable or Lap)
- * Electric Seat Switch



**Universal Standard Seat
MODEL 700**

STANDARD FEATURES:

- Folding seat assembly with seat belt brackets.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- Seat bottom designed for multi mounting positions. from: 8" thru 10 3/4" to 14" thru 15" track setting.
- 1.4 lb density foam pack with 55 lb. compression foam cushion.
- 32 oz. fire retardant vinyl.
- 19" wide bottom seat cushion.
- 19" wide back cushion.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

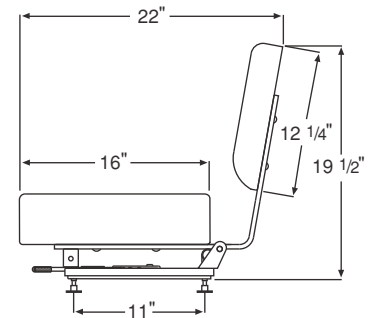
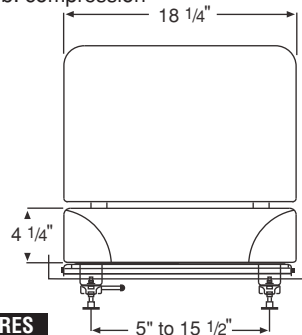
- * Seat belts (Retractable or Lap)
- * Electric Seat Switch



**Universal Standard Seat
MODEL 800**

STANDARD FEATURES:

- Heavy duty steel frame with seat belt brackets.
- Forward Tilt.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 5" to 15 1/2" lateral adjustment.
- 1.4 lb density foam pack with 55 lb. compression foam cushion.
- 32 oz. fire retardant vinyl.
- 18" wide bottom seat cushion.
- 18" wide back cushion.



TILT & FOLD BACK FEATURES

- ☒ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

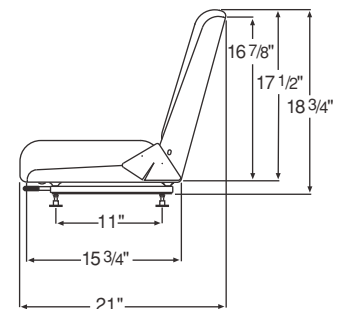
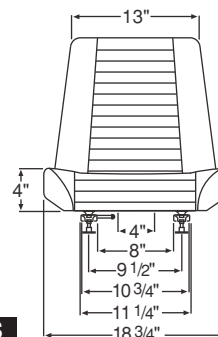
- * Seat belts (Retractable or Lap)
- * Electric Seat Switch



**Universal Pan Seat
MODEL 900**

STANDARD FEATURES:

- 16 ga. steel black powder coat finish pan frame.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 4" to 11 1/2" lateral adjustment.
- 1.4 lb density foam pack with 55 lb. compression foam cushion.
- 40 oz. fire retardant black madrid expanded vinyl.
- 18 3/4" wide bottom seat cushion.
- 13" wide back cushion.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Seat belts (Retractable or Lap)
- * Electric Seat Switch

REPLACEMENT SEATS

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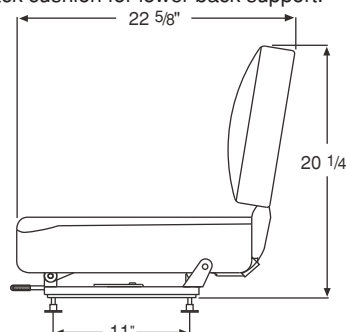
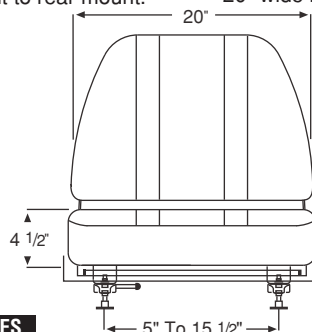


Lumbar Support Seat
MODEL 1000

STANDARD FEATURES:

- Heavy duty 7/8" tubular frame with Flex-O-Lator & coil spring support.
- Seat belt brackets.
- Forward tilt & folding back.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 5" to 15 1/2" lateral adjustment.

- 1.4 lb density foam pack with 55 lb. compression foam cushion.
- 40 oz. fire retardant vinyl.
- 19 3/4" wide bottom seat cushion.
- 20" wide back cushion for lower back support.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☒ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Seat belts (Retractable or Lap)
- * Electric Seat Switch

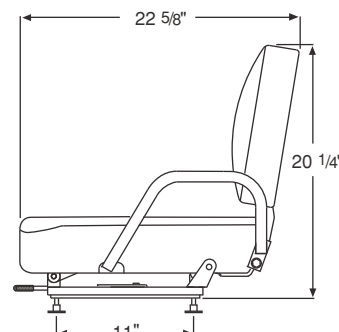
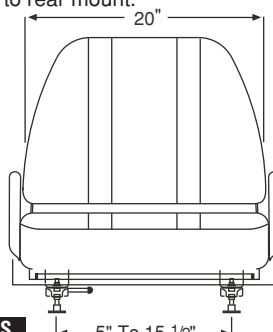


Total Seat w/Hip Restraints
MODEL 1100

STANDARD FEATURES:

- Heavy duty 7/8" tubular frame with Flex-O-Lator & coil spring support.
- Seat belt brackets.
- Forward tilt & folding back.
- 5" fore & aft adjusters 11" O/C front to rear mount.
- 5" to 15 1/2" lateral adjustment.

- 1.4 lb density foam pack with 55 lb. compression foam cushion.
- 40 oz. fire retardant vinyl.
- 19 3/4" wide bottom seat cushion.
- 20" wide back cushion for lower back support.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☒ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Seat belts (Retractable or Lap)
- * Electric Seat Switch

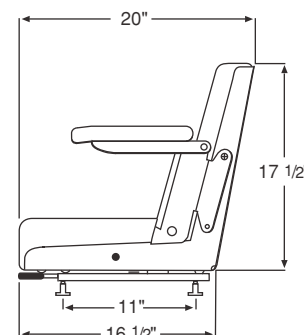
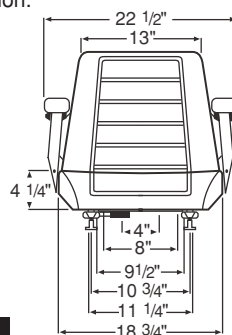


Universal Pan Seat
MODEL 1200

STANDARD FEATURES:

- 14 ga. steel black powder coat finish pan frame.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 4" to 11 1/4" lateral adjustment.
- 1.4 lb density foam pack with 55 lb. compression foam cushion.

- 50 oz. fire retardant black madrid expanded vinyl.
- 18 3/4" wide bottom seat cushion.
- 13" wide tapered back cushion.
- Swing up molded armrest.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

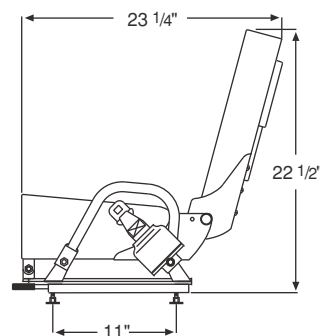
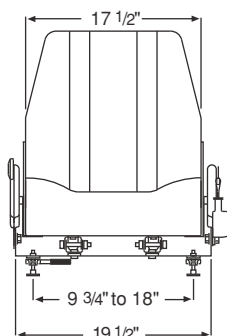
- * Seat belts (Retractable or Lap)
- * Electric Seat Switch



STANDARD FEATURES:

- Heavy duty steel frame with black enamel finish.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 9 3/4" to 18" lateral adjustment.
- Contoured back and seat cushions.
- 32 oz. fire retardant vinyl.
- Multi position folding back rest.
- Tilt forward frame.
- Hip restraints and Seat belt.

**WITH
RETRACTABLE
BELT**



**Contoured Pan Seat
MODEL 1300**

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☒ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

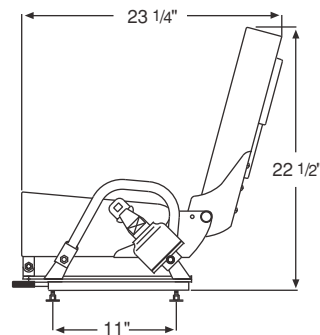
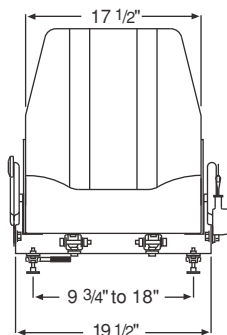
* Electric Seat Switch



STANDARD FEATURES:

- Heavy duty steel frame with black enamel finish.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 9 3/4" to 18" lateral adjustment.
- Contoured back and seat cushions.
- 32 oz. fire retardant vinyl.
- Multi position folding back rest.
- Tilt forward frame.
- Hip restraints and Seat belt.

**WITH
LAP BELT**



**Contoured Pan Seat
MODEL 1400**

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☒ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

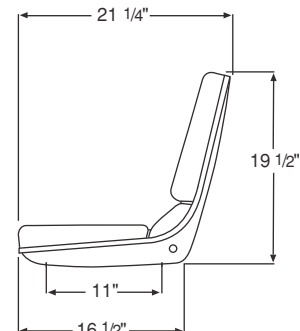
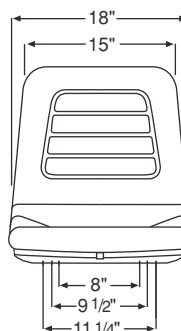
OPTIONS AVAILABLE:

* Electric Seat Switch



STANDARD FEATURES:

- Molded 1-PC seat assembly.
- Heavy 14 GA steel frame with black powder coat finish.
- 6" fore & aft adjusters 11" O/C mounting.
- 8"-9 1/2"-11 1/4"-18" lateral adjustment.
- Hip restraints mounting.
- Contoured molded foam for optimum body support.
- 67 mil. heavy duty black molded cover.



**Molded Seat
MODEL 1500**

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

* Electric Seat Switch

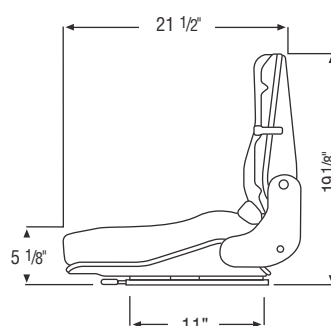
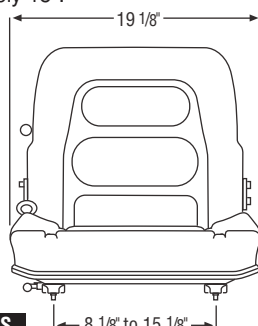


SUSPENSION SEAT

**Suspension Pan Seat
MODEL 1600**

STANDARD FEATURES:

- Fore and Aft adjustment 150mm in increments of 15mm.
- Suspension stroke 40mm.
- Weight adjustment 110-265 lbs infinitely.
- Angle adjustment of backrest infinitely 15°.
- Specifically designed for a forklift which require a low S.I.P..



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * *Electric Seat Switch*

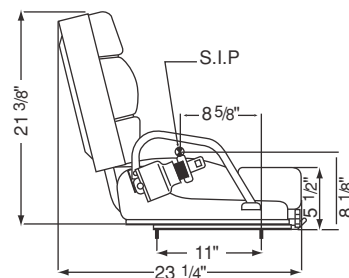
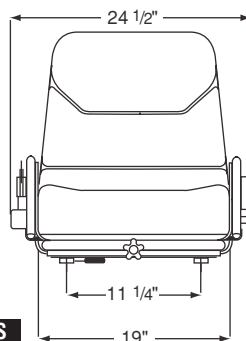


SUSPENSION SEAT

**Suspension Seat
MODEL 1700**

STANDARD FEATURES:

- Suspension seat assembly.
- 14 ga. frame with black powder coat finish.
- 67 mil. heavy duty poured in place construction.
- 6" fore & aft adjusters 11" O/C mounting.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * *Electric Seat Switch*

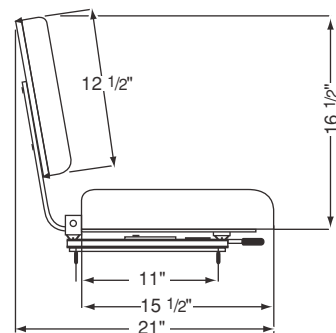
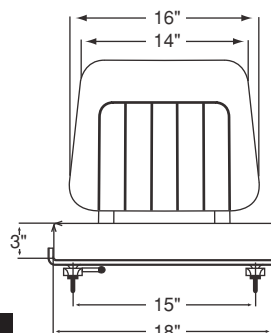


**Body Comfort Bucket Seat
MODEL 1800**

STANDARD FEATURES:

- Heavy duty steel frame with black enamel finish.
- 6" fore & aft adjusters 11" O/C front to rear mount.
- 15" lateral adjustment.
- Molded foam back and seat cushion.

- 67 mil. heavy duty vinyl.
- 18" wide bottom seat cushion.
- 16" wide tapered back cushion.
- ABS plastic back cover.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

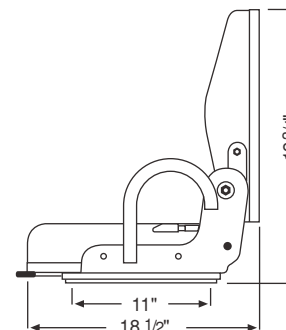
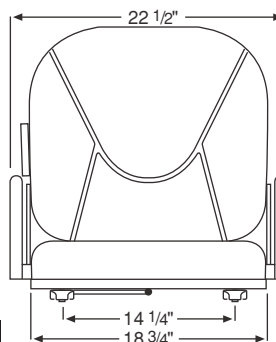
- * *Seat belts (Retractable or Lap)*
- * *Electric Seat Switch*



STANDARD FEATURES:

- Adjustable back angle 90° - 120°
- Folding back and adjustable lumbar with hip restraint.
- 14 1/4" X 11 adjustor spacing.

- Metal pan seat and back.
- Vinyl pouch.



Fold Back Lumbar Seat
MODEL 1900

Daewoo
A152098

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

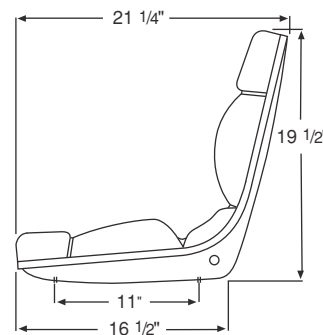
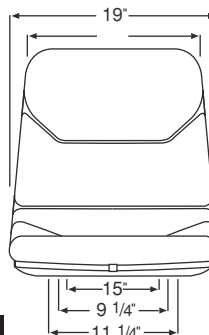
- * Seat Belt (Retractable or Lap)
- * Electric Seat Switch



STANDARD FEATURES:

- One piece drawn 14 ga. steel black powder coated pan frame.
- Multi hole pattern design with lateral adjustments of: 8", 9 1/2" and 11 1/4".
- 11" O/C front to rear mounting.
- 67 mil. heavy duty vinyl poured in place construction.

- Self draining seat.
- Seat belt mounting.
- 18" wide bottom seat cushion.
- 15" wide tapered back cushion.



Contoured Pan Seat
MODEL 2000

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

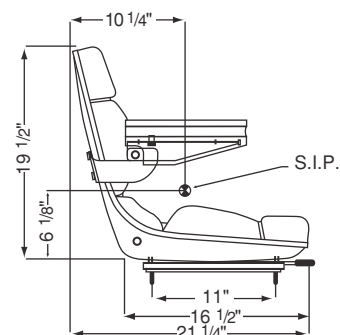
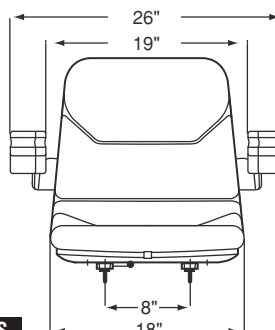
- * Seat Belt (Retractable or Lap)
- * Electric Seat Switch



STANDARD FEATURES:

- One piece drawn 14 ga. steel black powder coated pan frame.
- 6" fore & aft adjusters 11" O/C mounting 8", 9 1/2" & 11 1/4" lateral mounting.
- Water proof covering of molded, seamless vacuumed-formed 67mil vinyl poured in place foam to cover integrated construction.

- Self draining seat.
- Seat belt mounting.
- 18" wide bottom seat cushion.
- 15" wide tapered back cushion.
- Self storing arms.



Contoured Pan Seat w/Arm Rest
MODEL 2100

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Seat Belt (Retractable or Lap)
- * Electric Seat Switch

REPLACEMENT SEATS

336

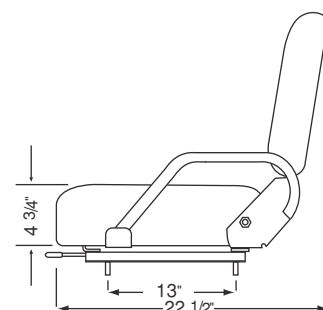
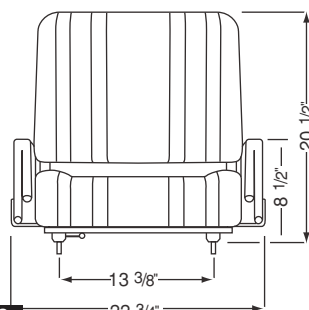


**Contoured Pan Seat
MODEL 2200**

STANDARD FEATURES:

- Heavy steel frame with black powder coat finish.
- 6" fore & aft adjusters 11" O/C mounting.
- 11" & 13 3/8" lateral mounting.
- Folding back rest.
- Safety hip restraints.

- Contoured molded foam for optimum body support.
- No-Sag spring construction.
- 50 oz. heavy duty black vinyl.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

* *Electric Seat Switch*

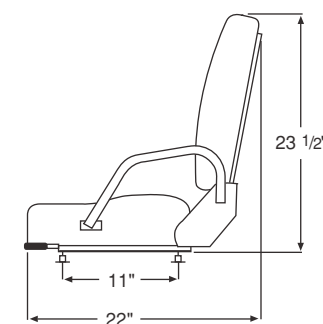
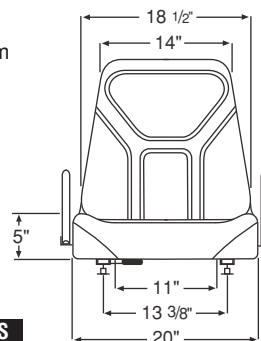


**Contoured Pan Seat
MODEL 2300**

STANDARD FEATURES:

- 14 ga. steel tubing.
- 6" fore & aft adjusters 11" O/C mounting.
- 11" & 13 3/8" lateral mounting.
- Folding back rest with operator pouch.
- Adjustable back angle.
- Safety hip restraints.
- Contoured molded foam for optimum body support.

- No-Sag spring construction.
- 50 oz. heavy duty black vinyl.
- 20" wide bottom seat cushion.
- 18 1/2" tapered back cushion.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

* *Electric Seat Switch*

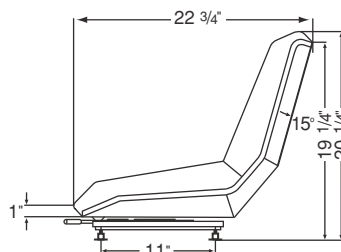
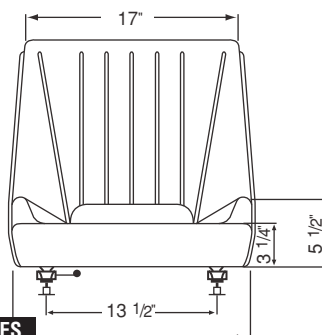


**Low Profile Comfort Seat
MODEL 2400**

STANDARD FEATURES:

- Heavy stamped steel shell with black powder coat finish.
- 6" fore and aft adjusters 11" O/C mounting.
- 13 1/2" lateral mounting.
- Water proof covering of molded, seamless vacuumed-formed vinyl poured in place foam-to-cover integrated construction.

- 19" wide bottom seat cushion.
- 17" wide tapered back cushion.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

* *Seat belts (Retractable or Lap)*
* *Electric Seat Switch*

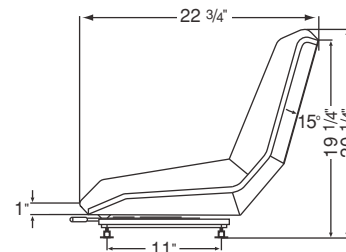
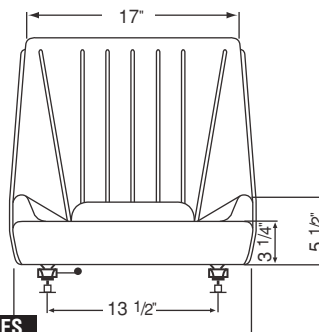


Low Profile Comfort Seat
MODEL 2400-HRB

STANDARD FEATURES:

- Heavy stamped steel shell with black powder coat finish.
- 6" fore and aft adjusters 11" O/C mounting.
- 13 1/2" lateral mounting.
- 19" wide bottom seat cushion.

- 17" wide tapered back cushion.
- Water proof covering of molded, seamless vacuumed-formed vinyl poured in place foam-to-cover integrated construction.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Electric Seat Switch

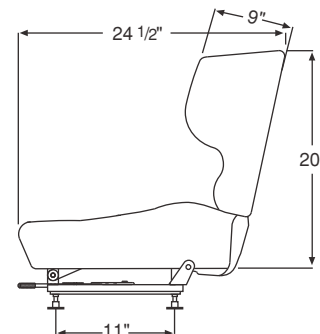
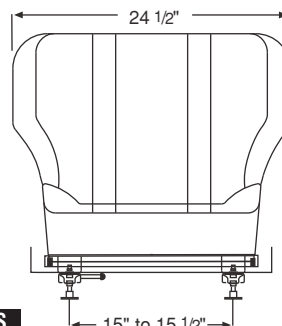


Safety Wing Seat
MODEL 2500

STANDARD FEATURES:

- 14 ga. steel tubing.
- 6" fore and aft adjusters 11" O/C mounting.
- 5" to 15 1/2" lateral mounting.

- 1.4 lb density with 55 lb. compression foam cushion.
- 40 oz. heavy duty black vinyl.
- 20" wide bottom cushion.
- 24 1/2" back cushion with shoulder bolster.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Seat Belt (Retractable or Lap)
- * Electric Seat Switch

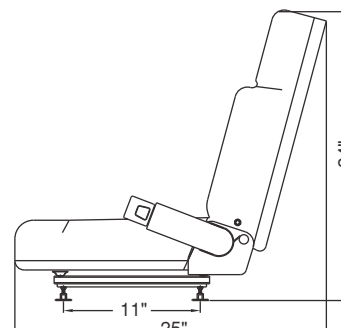
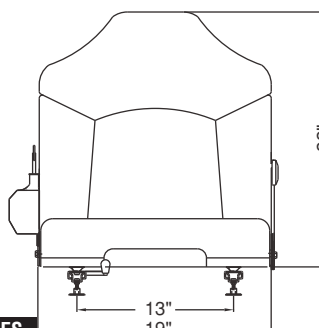


Contoured Back Seat
MODEL 2600 Clark #926069

STANDARD FEATURES:

- 14 gauged stamped steel.
- 2 Piece molded cushion.
- 67 mil. heavy duty vinyl.
- Stationary back.

- Multi adjustment 11", 13" & 13 3/8".
- Back cushion accepts Clark shoulder restraint.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Electric Seat Switch

REPLACEMENT SEATS

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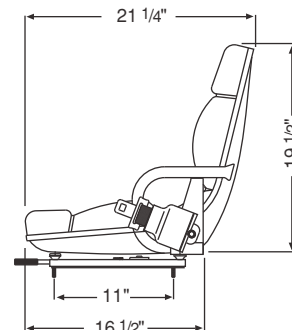
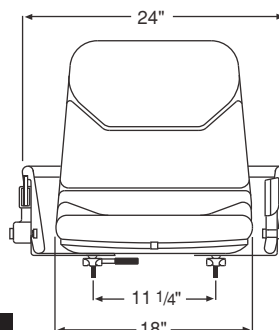


Molded Seat
MODEL 2700

STANDARD FEATURES:

- 6" Fore/Aft Adjustor.
- Hip Restraints.
- Retractable Seat Belt.
- Self Draining Seat.

- 67 Mil. Heavy Duty Vinyl Poured-In -Place Construction.
- One Piece Drawn 14 Gauge Steel, Black Powder Coated Pan.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

* *Electric Seat Switch*

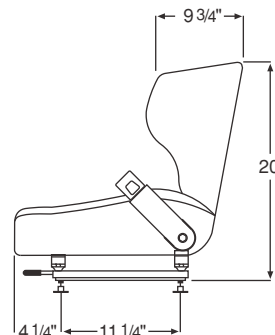
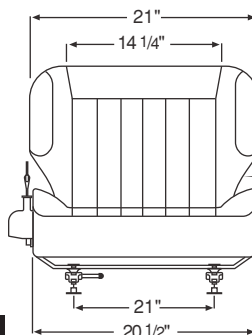


Safety Seat
MODEL 2800 Toyota 53760-22750-71

STANDARD FEATURES:

- 6" Fore/Aft Adjusters.
- 13" Adjustor Mounting.
- Retractable Seat Belt.

- 2 Piece with shoulder restraint.
- 40 oz. heavy duty vinyl.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

* *Electric Seat Switch*

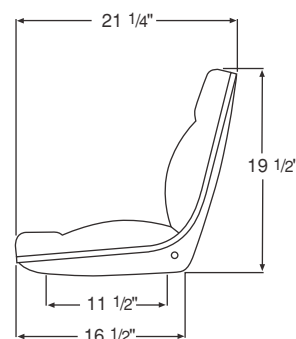
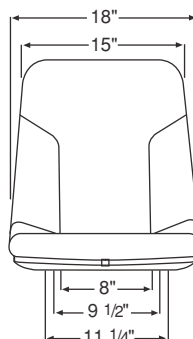


Contoured Seat
MODEL 2900

STANDARD FEATURES:

- 67 Mil. Heavy Duty Vinyl.
- Self Draining Seat.
- Seat Belt Mounting.
- Contemporary Styling.

- Contoured For Operator Comfort.
- 14 Gauge Stamped Steel Shell With. Black Powder Coat Finish.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

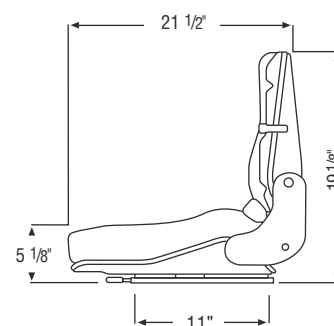
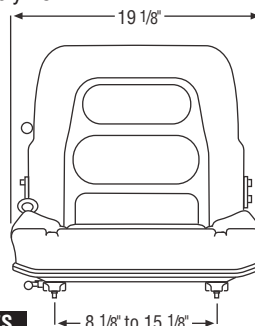
* *Electric Seat Switch*



STANDARD FEATURES:

- Fore and Aft adjustment 150mm in increments of 15mm.
- Suspension stroke 40mm.
- Weight adjustment 110-265 lbs infinitely.
- Angle adjustment of backrest infinitely 15°.
- Specifically designed for a forklift which require a low S.I.P..

SUSPENSION SEAT



Suspension Pan Seat

MODEL 3000

for vinyl seat see
MODEL 1600

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

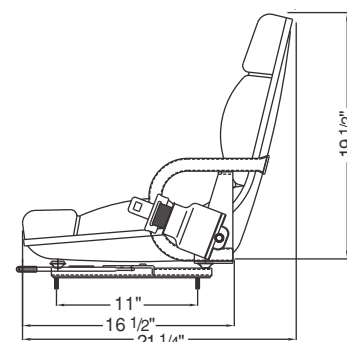
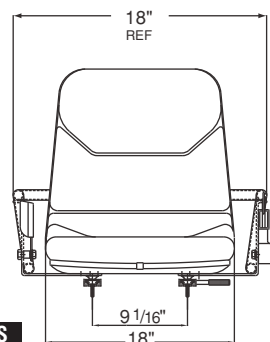
- * Available in Vinyl
- * Seat Belt (Retractable or Lap)



STANDARD FEATURES:

- 14 gauge steel pan.
- 2 piece molded cushion.
- 67 mill. heavy duty vinyl.
- Hip restraints.

- Retractable seat belt.
- 6" Fore adjustor.
- Universal mounting 8, 9 1/2 & 11 1/4".



Molded Pan

MODEL 3100

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☐ Fold Back
- ☐ Tilt & Fold Back
- ☒ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Electric Seat Switch



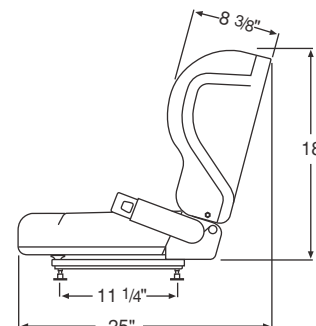
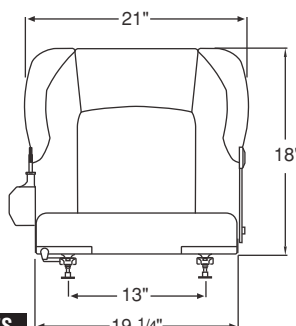
STANDARD FEATURES:

Standard Features:

- 14 gauge steel pan.
- 2 piece molded cushion.
- 67 mil. heavy duty vinyl.
- Stationary back.

Toyota
53730-U2100-71

- Retractable seat belt.
- Shoulder restraint.
- Multi adjustment 11" & 13".



Molded Safety Seat

MODEL 3200

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

- * Electric Seat Switch



STANDARD FEATURES:

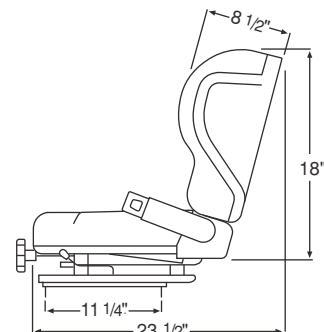
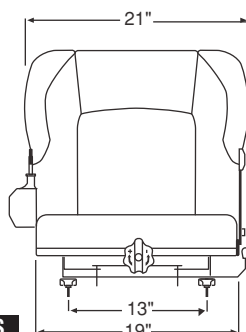
- 14 gauge steel pan.
- 2 piece molded cushion.
- 67 mil. heavy duty vinyl.
- Stationary back.

- Retractable seat belt.
- Shoulder restraint.
- Multi adjustment 11" & 13".

SUSPENSION SEAT

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features



OPTIONS AVAILABLE:

* Electric Seat Switch

Suspension Molded Safety Seat
MODEL 3300



STANDARD FEATURES:

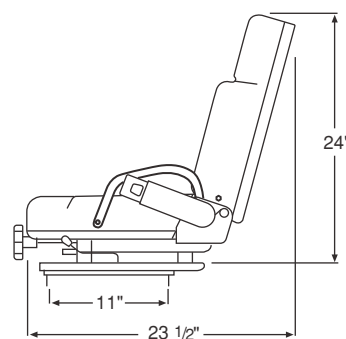
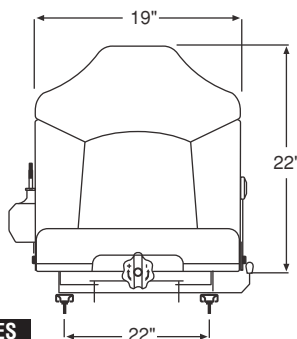
- 14 gauged stamped steel.
- 2 Piece molded cushion.
- 67 mil. heavy duty vinyl.
- Stationary back.

- Multi adjustment 11", 13" & 13 3/8".
- Back cushion accepts Clark shoulder restraint.

SUSPENSION SEAT

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features



OPTIONS AVAILABLE:

* Electric Seat Switch

Suspension Molded Safety Seat
MODEL 3400



STANDARD FEATURES:

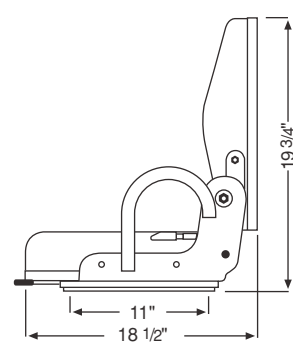
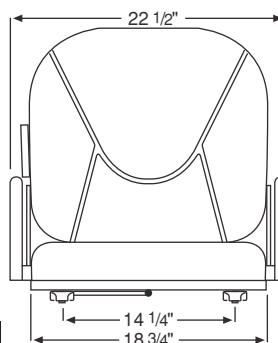
- Adjustable back angle 90° - 120°
- Folding back and adjustable lumbar with hip restraint.
- 14 1/4" X 11" adjustor spacing.

- Metal pan seat and back.
- Vinyl pouch.
- Will accept switch WM1020.

Replaces
Mitsubishi/Caterpillar
93014-00010

TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features



OPTIONS AVAILABLE:

* Seat Belt (Retractable or Lap)
* Electric Seat Switch

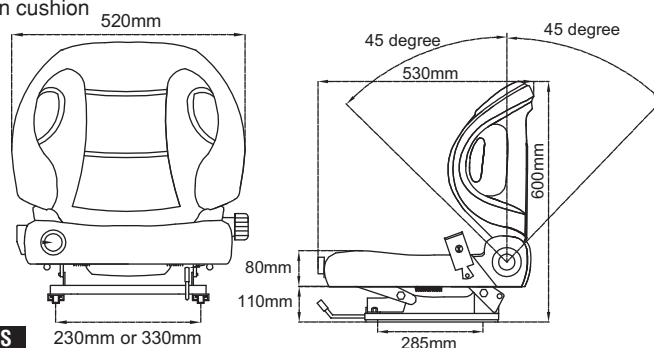
Fold Back Lumbar Seat
MODEL 3500



STANDARD FEATURES:

- Adjustable backrest fore & aft ± 45 degrees.
- Fore and aft sliderail with adjustment of 150mm
- Retractable safety belt
- Document bag
- Mechanical suspension integrated in cushion
- Micro Switch
- Dust-Proof Mantle

- Popular mounting size:
side to side x front to back
(228-230mm)x(280-290mm)
or (328-330mm)x(280-290mm)



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

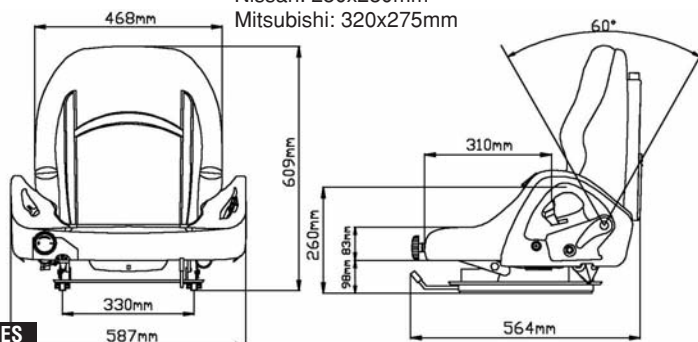
Suspension Molded Seat
MODEL 3600



STANDARD FEATURES:

- Fore and Aft slide rail with adjustment of 150mm
- Retractable safety belt
- Document bag

- Universal mounting pan Covering:
Toyota: 330x285mm
TCM: 230x285mm
Komatsu: 340x255mm
Nissan: 280x280mm
Mitsubishi: 320x275mm



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

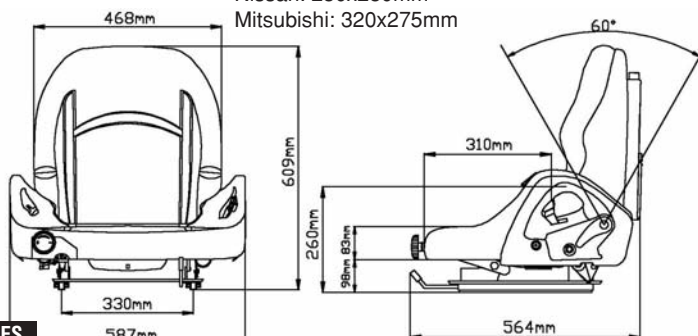
Suspension Molded Seat
MODEL 3700



STANDARD FEATURES:

- Fore and Aft slide rail with adjustment of 150mm
- Retractable safety belt
- Document bag

- Universal mounting pan Covering:
Toyota: 330x285mm
TCM: 230x285mm
Komatsu: 340x255mm
Nissan: 280x280mm
Mitsubishi: 320x275mm



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

Molded Seat
MODEL 3800

REPLACEMENT SEATS & ACCESSORIES

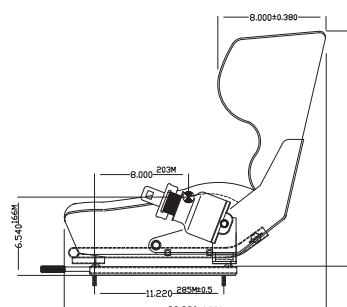
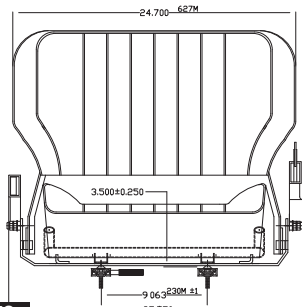
342



STANDARD FEATURES:

- 14 ga. steel tubing.
- 9" x 11" mounting.
- 1.4 lb density with 55 lb. compression foam cushion.

- 40 oz. heavy duty black vinyl.
- 20" wide bottom cushion.
- 24 1/2" back cushion with shoulder bolster.



TILT & FOLD BACK FEATURES

- ☐ Tilt
- ☒ Fold Back
- ☐ Tilt & Fold Back
- ☐ No Tilt or Fold Back Features

OPTIONS AVAILABLE:

* Electric Seat Switch

TCM Wing Seat
MODEL 3900

CLARK WING SAFETY SEAT REPLACEMENT CUSHIONS

• Heavy Duty Vinyl • High Density Foam • Easily Bolts in to Existing Frame •



18" Seat Cushion
100-18



18" Back Cushion
200-18



21" Seat Cushion
100-21



21" Back Cushion
200-21

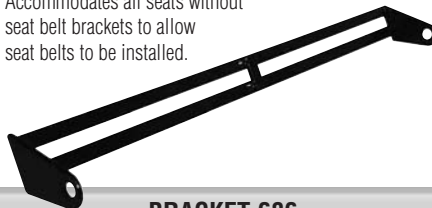
ARM REST KIT



ARK-1600

SEAT BELT BRACKET

Accommodates all seats without seat belt brackets to allow seat belts to be installed.



BRACKET-686

SEAT SWITCH



WM-1020

SEAT SWITCH



WM-1582

SEAT TRACKS



WM-1250

SEAT TRACKS



WM-637-28

LAP BELTS



60" Black Strap	72" Orange Strap	74" Black Strap	110" Black Strap
LB-60-BLACK	LB-72-ORANGE	LB-74-BLACK	LB-110-BLACK

RETRACTABLE BELTS



60" Black Strap	60" Orange Strap	72" Black Strap
RB-60-BLACK	RB-60-ORANGE	RB-72-BLACK

RETRACTABLE CINCH BELTS


RB-CINCH-BLACK-60
RB-CINCH-ORANGE-60

ELECTRIC RETRACTABLE CINCH BELTS



Normally Open

RB-CINCH-BLACK-ELE

Normally Closed

RB-CINCH-BLK-NC-ELE

ELECTRIC RETRACTABLE ELECTRIC BELTS

Normally Open


RB-BLACK-60-ELE
RB-BLACK-72-ELE
RB-ORANGE-60-ELE

ELECTRIC RETRACTABLE ELECTRIC BELTS

Normally Closed


RB-BLACK-NC-60-ELE
RB-ORANGE-NC-60-ELE

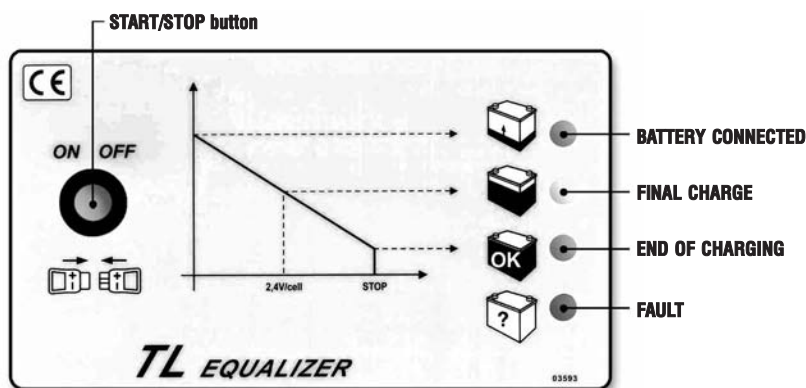


TL EQUALIZER

Single-phase

- Single-phase input voltage: 120/208/240V AC Frequency: 50/60 Hz.
- Transformer adjustments to $\pm 5\%$ V AC.
- Tropicalized stray-flux transformer, copper windings with double enamel insulation, class H, impregnated with non-toxic resins, kiln-dried.
- Transformer with UL recognized insulation system which ensures high reliability even in difficult operating conditions.
- Overload cutout on transformer.
- Rectifier bridge equipped with interference suppressing filters.
- Protection fuses on mains input and D.C. output.
- Final acceptance test conforming to UL safety standards.
- Equipped with mains and battery cables. Complete with connectors.

- Electronic controller AP071 with microprocessor and failure diagnostics.
- Polycarbonate plate equipped with 4 LED's indicating the charging stages.
- 12/24/36V rated voltages selectable by jumpers and with 2.40 V/cell automatic threshold setting.
- DIP switches to program and set the charging parameters (Autostart, Final charge time, Quick test, Equalizing charge, and Proportional charge).
- Lab-tested electronic circuit conforming to the EMC-Directive and CE marking.

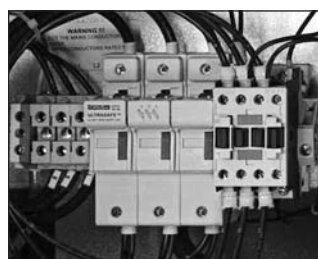
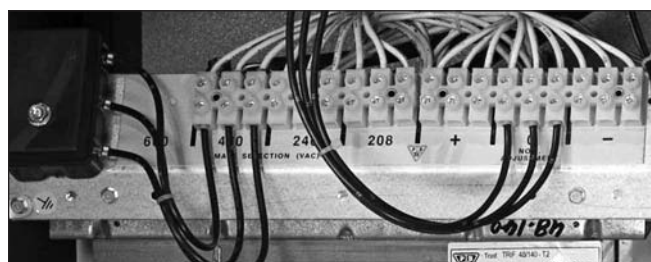


POWER POINT

Single-phase & Three-phase

TECHNICAL GENERAL REMARKS:

- Single-phase input voltage: 208/240/480V AC – Frequency: 50/60 Hz.
- Three-phase input voltage: 208/240/480/600V AC – Frequency: 50/60 Hz.
- Transformer adjustments to $\pm 5\%$ V AC.
- Tropicalized stray-flux transformer, copper windings with double enamel insulation, class H, impregnated with non-toxic resins, kiln-dried.
- Transformer with **UL recognized** insulation system which ensures high reliability even in difficult operating conditions.
- Low voltage control circuit (24V AC).
- Overload cutout on transformer.
- Rectifier bridge equipped with interference suppressing filters.
- Protection fuses on mains input, and D.C. output.
- Final acceptance test conforming to safety regulations.
- Complete with charging cables and connector.
- **Power cord to be installed by the customer.**
- Electronic controller AP735USA with microprocessor and failure diagnostics powered from battery voltage.
- Polycarbonate plate with LED's indicating the charging stages or faults, if any.
- Lab-tested electronic circuit conforming to the EMC-Directive and CE marking.
- Charger switching off on battery disconnection while on charge.
- Short check of functions and times.
- 4 digit LCD with 12 multifunctional symbols displaying the charging data recalled by pushing the ON-OFF button.



LCD displaying charging data and faults, if any



- Real Time Delivered Current (A) and Battery Voltage (V)
- Battery Voltage before charging (V) and Initial Current of the Charge (A)
- Delivered Charge (Ah)
- Overall charging time (hours : minutes)
- Final Voltage reached by battery (V) and Final Current delivered (A)

- The following charging parameters can be programmed by means of DIP switches:
1. Automatic start (Autostart)
 2. Final charge timer settable to 8 values from 1h to 5h 30m
 3. Safety timer on the initial stage settable to 7h or 11h (standard)
 4. Equalizing charge
 5. Proportional charge





TL Equalizer Plug-Ins - Single Phase

PART#	TYPE	BATTERY CELLS	LEAD ACID BATTERY	A.C. INPUT / FUSES (A)						DIMENSIONS (inches) L x H x W
				120V	208V	240V	208V	240V	240V	
30-003	12V / 20A	6	100 ÷ 140	3.4	6	2	4	1.6	4	16.7 x 11.0 x 10.6
30-005	12V / 30A	6	150 ÷ 210	5.1	6	2.9	4	2.6	4	16.7 x 11.0 x 10.6
30-007	12V / 40A	6	200 ÷ 280	6.7	8	3.9	6	3.4	6	16.7 x 11.0 x 10.6
30-009	12V / 50A	6	250 ÷ 350	8.4	10	4.8	6	4.2	6	16.7 x 11.0 x 10.6
30-011	12V / 60A	6	300 ÷ 420	10.1	12	5.9	8	5	6	19.7 x 11.8 x 11.8
30-019	24V / 20A	12	100 ÷ 140	6.4	8	3.6	6	3.2	6	16.7 x 11.0 x 10.6
30-021	24V / 30A	12	150 ÷ 210	9.6	12	5.4	8	4.8	6	16.7 x 11.0 x 10.6
30-023	24V / 40A	12	200 ÷ 280	12.8	15	7.2	10	6.4	8	19.7 x 11.8 x 11.8
30-025	24V / 50A	12	250 ÷ 350	16	20	9	12	8	10	19.7 x 11.8 x 11.8
30-035	36V / 20A	18	100 ÷ 140	9.4	12	5.3	8	4.7	6	16.7 x 11.0 x 10.6
30-037	36V / 30A	18	150 ÷ 210	14.1	20	7.9	10	7.1	10	16.7 x 11.0 x 10.6
30-039	36V / 40A	18	200 ÷ 280	18.9	25	10.6	12	9.5	12	19.7 x 11.8 x 11.8
30-043	48V / 20A	24	100 ÷ 140	12.8	15	7.4	10	6.4	8	19.7 x 11.8 x 11.8
30-045	48V / 30A	24	150 ÷ 210	18.9	12	10.9	12	9.5	12	19.7 x 11.8 x 11.8

Matic Point Plug-Ins - Single Phase



PART#	TYPE	BATTERY CELLS	LEAD ACID BATTERY	A.C. INPUT / FUSES (A)						DIMENSIONS (inches) L x H x W
				120V	208V	240V	208V	240V	240V	
30-063	12V / 20A	6	100 ÷ 140	3.4	6	2	4	1.6	4	16.7 x 11.0 x 10.6
30-065	12V / 30A	6	150 ÷ 210	5.1	6	2.9	4	2.6	4	16.7 x 11.0 x 10.6
30-067	12V / 40A	6	200 ÷ 280	6.7	8	3.9	6	3.4	6	16.7 x 11.0 x 10.6
30-069	12V / 50A	6	250 ÷ 350	8.4	10	4.8	6	4.2	6	16.7 x 11.0 x 10.6
30-071	12V / 60A	6	300 ÷ 420	10.1	12	5.9	8	5	6	19.7 x 11.8 x 11.8
30-079	24V / 20A	12	100 ÷ 140	6.4	8	3.6	6	3.2	6	16.7 x 11.0 x 10.6
30-081	24V / 30A	12	150 ÷ 210	9.6	12	5.4	8	4.8	6	16.7 x 11.0 x 10.6
30-083	24V / 40A	12	200 ÷ 280	12.8	15	7.2	10	6.4	8	19.7 x 11.8 x 11.8
30-085	24V / 50A	12	250 ÷ 350	16	20	9	12	8	10	19.7 x 11.8 x 11.8
30-095	36V / 20A	18	100 ÷ 140	9.4	12	5.3	8	4.7	6	16.7 x 11.0 x 10.6
30-097	36V / 30A	18	150 ÷ 210	14.1	20	7.9	10	7.1	10	16.7 x 11.0 x 10.6
30-099	36V / 40A	18	200 ÷ 280	18.9	25	10.6	12	9.5	12	19.7 x 11.8 x 11.8

Power Point - Single Phase



PART#	TYPE	BATTERY CELLS	LEAD ACID BATTERY	A.C. INPUT / FUSES (A)						DIMENSIONS (inches) L x H x W
				208V	240V	480V	208V	240V	480V	
30-108	12V / 80A	6	400 ÷ 560	7.6	10	6.5	8	3.3	6	19.7 x 31.5 x 15.7
30-110	12V / 90A	6	450 ÷ 630	8.5	10	7.4	10	3.7	6	19.7 x 31.5 x 15.7
30-112	12V / 100A	6	500 ÷ 700	9.4	12	8.2	10	4.1	6	19.7 x 31.5 x 15.7
30-116	12V / 120A	6	600 ÷ 840	11.3	15	9.8	12	4.9	6	19.7 x 31.5 x 15.7
30-145	24V / 60A	12	300 ÷ 420	10.8	12	9.3	12	4.7	6	19.7 x 31.5 x 15.7
30-149	24V / 80A	12	400 ÷ 560	14.3	20	12.4	15	6.2	8	19.7 x 31.5 x 15.7
30-153	24V / 100A	12	500 ÷ 700	17.9	20	15.5	20	7.8	10	19.7 x 31.5 x 15.7
30-157	24V / 120A	12	600 ÷ 840	21.5	25	18.6	25	9.3	12	19.7 x 31.5 x 15.7
30-161	24V / 140A	12	700 ÷ 980	25.1	40	21.8	32	10.9	20	19.7 x 31.5 x 15.7
30-165	24V / 160A	12	800 ÷ 1120	28.7	50	24.9	40	12.4	20	19.7 x 39.4 x 15.7
30-184	36V / 50A	18	250 ÷ 350	13.2	15	11.4	15	5.7	8	19.7 x 31.5 x 15.7
30-186	36V / 60A	18	300 ÷ 420	15.8	20	13.7	15	6.9	8	19.7 x 31.5 x 15.7
30-190	36V / 80A	18	400 ÷ 560	21.1	25	18.3	25	9.2	12	19.7 x 31.5 x 15.7
30-194	36V / 100A	18	500 ÷ 700	26.4	50	22.9	40	11.4	20	19.7 x 31.5 x 15.7
30-198	36V / 120A	18	600 ÷ 840	31.7	50	27.5	50	13.7	25	19.7 x 39.4 x 15.7
30-202	36V / 140A	18	700 ÷ 980	37	63	32	50	16	25	19.7 x 39.4 x 15.7
30-206	36V / 160A	18	800 ÷ 1120	42.3	63	36.6	63	18.3	32	19.7 x 39.4 x 15.7
30-210	36V / 180A	18	900 ÷ 1260	47.5	80	41.2	63	20.6	32	19.7 x 39.4 x 15.7
30-226	48V / 50A	24	250 ÷ 350	17.5	20	15.1	20	7.6	10	19.7 x 31.5 x 15.7
30-227	48V / 60A	24	300 ÷ 420	20.9	25	18.1	25	9.1	12	19.7 x 31.5 x 15.7
30-231	48V / 80A	24	400 ÷ 560	27.9	50	24.2	40	12.1	20	19.7 x 31.5 x 15.7
30-235	48V / 100A	24	500 ÷ 700	34.9	63	30.2	50	15.1	25	19.7 x 31.5 x 15.7
30-239	48V / 120A	24	600 ÷ 840	41.9	63	36.3	63	18.1	32	19.7 x 39.4 x 15.7
30-272	72V / 80A	36	400 ÷ 560	41.5	63	36	63	18	32	19.7 x 39.4 x 15.7
30-276	72V / 100A	36	500 ÷ 700	51.9	80	45	80	22.5	40	19.7 x 39.4 x 15.7
30-280	72V / 120A	36	600 ÷ 840	62.2	100	53.9	80	27	50	19.7 x 39.4 x 15.7

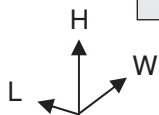


Power Point - Three Phase

PART#	TYPE	BATTERY CELLS	LEAD ACID BATTERY	A.C. INPUT / FUSES (A)								DIMENSIONS (inches) L x H x W
				208V		240V		480V		600V		
30-308	12V / 80A	6	400 ÷ 560	4.1	6	3.6	6	1.8	4	1.4	4	19.7 x 31.5 x 15.7
30-310	12V / 90A	6	450 ÷ 630	4.6	6	4.0	6	2.0	4	1.6	4	19.7 x 31.5 x 15.7
30-312	12V / 100A	6	500 ÷ 700	5.1	8	4.5	6	2.2	4	1.8	4	19.7 x 31.5 x 15.7
30-316	12V / 120A	6	600 ÷ 840	6.2	8	5.4	8	2.7	4	2.1	4	19.7 x 31.5 x 15.7
30-345	24V / 60A	12	300 ÷ 420	5.9	8	5.1	8	2.5	4	2.0	4	19.7 x 31.5 x 15.7
30-349	24V / 80A	12	400 ÷ 560	7.8	10	6.8	8	3.4	6	2.7	4	19.7 x 31.5 x 15.7
30-353	24V / 100A	12	500 ÷ 700	9.8	12	8.5	10	4.2	6	3.4	6	19.7 x 31.5 x 15.7
30-357	24V / 120A	12	600 ÷ 840	11.7	15	10.2	12	5.1	8	4.1	6	19.7 x 31.5 x 15.7
30-361	24V / 140A	12	700 ÷ 980	13.7	15	11.8	15	5.9	8	4.7	6	19.7 x 31.5 x 15.7
30-365	24V / 160A	12	800 ÷ 1120	15.6	20	13.5	15	6.8	8	5.4	8	19.7 x 39.4 x 15.7
30-369	24V / 180A	12	900 ÷ 1260	17.6	20	15.2	20	7.6	10	6.1	8	19.7 x 39.4 x 15.7
30-373	24V / 200A	12	1000 ÷ 1400	19.5	25	16.9	20	8.5	10	6.8	8	19.7 x 39.4 x 15.7
30-386	36V / 60A	18	300 ÷ 420	8.6	10	7.5	10	3.6	6	3.0	4	19.7 x 31.5 x 15.7
30-390	36V / 80A	18	400 ÷ 560	11.5	15	10.0	12	5.0	6	4.0	6	19.7 x 31.5 x 15.7
30-394	36V / 100A	18	500 ÷ 700	14.4	20	12.5	15	6.2	8	5.0	6	19.7 x 31.5 x 15.7
30-398	36V / 120A	18	600 ÷ 840	17.3	20	15.0	20	7.5	10	6.0	8	19.7 x 39.4 x 15.7
30-402	36V / 140A	18	700 ÷ 980	20.1	25	17.5	20	8.7	10	7.0	8	19.7 x 39.4 x 15.7
30-406	36V / 160A	18	800 ÷ 1120	23.0	25	19.9	25	10.0	12	8.0	10	19.7 x 39.4 x 15.7
30-410	36V / 180A	18	900 ÷ 1260	25.9	63	22.4	50	11.2	25	9.0	25	19.7 x 39.4 x 15.7
30-414	36V / 200A	18	1000 ÷ 1400	28.8	63	24.9	63	12.5	32	10.0	25	19.7 x 39.4 x 15.7
30-418	36V / 220A	18	1100 ÷ 1540	31.7	80	27.4	63	13.7	32	11.0	25	23.6 x 43.3 x 18.9
30-422	36V / 240A	18	1200 ÷ 1680	34.5	80	29.9	63	15.0	32	12.0	32	23.6 x 43.3 x 18.9
30-426	48V / 50A	24	250 ÷ 350	9.5	12	8.2	10	4.1	6	3.3	6	19.7 x 31.5 x 15.7
30-427	48V / 60A	24	300 ÷ 420	11.4	15	9.9	12	4.9	6	3.9	6	19.7 x 31.5 x 15.7
30-431	48V / 80A	24	400 ÷ 560	15.2	20	13.2	15	6.6	8	5.3	8	19.7 x 31.5 x 15.7
30-435	48V / 100A	24	500 ÷ 700	19.0	25	16.5	20	8.2	10	6.6	8	19.7 x 31.5 x 15.7
30-439	48V / 120A	24	600 ÷ 840	22.8	25	19.8	25	9.9	12	7.9	10	19.7 x 39.4 x 15.7
30-443	48V / 140A	24	700 ÷ 980	26.6	63	23.1	50	11.5	32	9.2	25	19.7 x 39.4 x 15.7
30-447	48V / 160A	24	800 ÷ 1120	30.4	63	26.4	63	13.2	32	10.5	25	19.7 x 39.4 x 15.7
30-451	48V / 180A	24	900 ÷ 1260	34.2	80	29.6	63	14.8	32	11.9	25	23.6 x 43.3 x 18.9
30-455	48V / 200A	24	1000 ÷ 1400	38.0	80	32.9	80	16.5	40	13.2	32	23.6 x 43.3 x 18.9
30-459	48V / 220A	24	1100 ÷ 1540	41.8	100	36.2	80	18.1	40	14.5	32	23.6 x 43.3 x 18.9
30-463	48V / 240A	24	1200 ÷ 1680	45.6	100	39.5	100	19.8	50	15.8	40	23.6 x 43.3 x 18.9
30-472	72V / 80A	36	400 ÷ 560	22.6	25	19.6	25	9.8	12	7.8	10	19.7 x 39.4 x 15.7
30-476	72V / 100A	36	500 ÷ 700	28.2	63	24.5	63	12.2	32	9.8	25	19.7 x 39.4 x 15.7
30-480	72V / 120A	36	600 ÷ 840	33.9	80	29.4	63	14.7	32	11.7	25	19.7 x 39.4 x 15.7
30-484	72V / 140A	36	700 ÷ 980	39.5	100	34.3	80	17.2	40	13.7	32	23.6 x 43.3 x 18.9

X Point - Three Phase

Model	Cells	Mains Voltage	Box
4x 24V / 100A	12	208 / 240 / 480 / 600	4x
4x 24V / 120A	12	208 / 240 / 480 / 600	4x
4x 24V / 140A	12	208 / 240 / 480 / 600	4x
4x 36V / 100A	18	208 / 240 / 480 / 600	4x
4x 36V / 120A	18	208 / 240 / 480 / 600	4x
4x 36V / 140A	18	208 / 240 / 480 / 600	4x
4x 36V / 160A	18	208 / 240 / 480 / 600	4x
4x 36V / 180A	18	208 / 240 / 480 / 600	4x
4x 48V / 100A	24	208 / 240 / 480 / 600	4x
4x 48V / 120A	24	208 / 240 / 480 / 600	4x
4x 48V / 140A	24	208 / 240 / 480 / 600	4x
4x 48V / 160A	24	208 / 240 / 480 / 600	4x



Cabinet size (Inches):
23.62 x 41.34 x 55.12 (LxWxH)

OPPORTUNITY CHARGERS

7 TO 8 HOUR
CHARGING TIME FOR
**MULTISHIFT
OPERATION**



Power Point - Three Phase

PART#	MODEL	CELLS	BATTERY Ah 7h	MAINS VOLTAGE	DIMENSIONS (LxHxW)
60-308	12V / 80A	6	425	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-310	12V / 90A	6	480	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-312	12V / 100A	6	530	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-316	12V / 120A	6	640	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-345	24V / 60A	12	320	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-349	24V / 80A	12	425	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-353	24V / 100A	12	530	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-357	24V / 120A	12	640	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-361	24V / 140A	12	740	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-365	24V / 160A	12	850	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-369	24V / 180A	12	955	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-373	24V / 200A	12	1060	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-386	36V / 60A	18	320	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-390	36V / 80A	18	425	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-394	36V / 100A	18	530	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-398	36V / 120A	18	640	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-402	36V / 140A	18	740	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-406	36V / 160A	18	850	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-410	36V / 180A	18	955	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-414	36V / 200A	18	1060	240 / 480 / 600	23.6" x 18.9" x 43.3"
60-418	36V / 220A	18	1170	240 / 480 / 600	23.6" x 18.9" x 43.3"
60-422	36V / 240A	18	1270	240 / 480 / 600	23.6" x 18.9" x 43.3"
60-426	48V / 50A	24	265	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-427	48V / 60A	24	320	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-431	48V / 80A	24	425	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-435	48V / 100A	24	530	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-439	48V / 120A	24	640	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-443	48V / 140A	24	740	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-447	48V / 160A	24	850	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-451	48V / 180A	24	955	240 / 480 / 600	23.6" x 18.9" x 43.3"
60-455	48V / 200A	24	1060	240 / 480 / 600	23.6" x 18.9" x 43.3"
60-459	48V / 220A	24	1170	240 / 480 / 600	23.6" x 18.9" x 43.3"
60-463	48V / 240A	24	1270	240 / 480 / 600	23.6" x 18.9" x 43.3"
60-472	72V / 80A	36	425	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-476	72V / 100A	36	530	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-480	72V / 120A	36	640	240 / 480 / 600	21.4" x 22.4" x 26.4"
60-484	72V / 140A	36	740	240 / 480 / 600	21.4" x 22.4" x 26.4"

The **POKER**



PK120-C43

Multi-Voltage Battery Charger

TECHNICAL GENERAL REMARKS :

- Mains input: 120V AC $\pm 5\%$, UL-listed 20A input fuse, Input Current 15A AC max. Equipped with NEMA 5- 15A cables.
- Output: suitable for 12V, 24V, 36V and 48V lead-acid batteries.
- Electromechanical timer adjustable from 0 to 12 hours max.
- Electromechanical switch for output voltages selection.
- Ammeter: 100A/100mV.
- Cabinet with wheels and handlebar for easy handling.
- 24V AC auxiliary circuit with overload cutout and 1.6A fuse.

DIMENSIONS:

- 15.7"L x 33.5"H x 12.6"W (without handlebar: 15.7"L x 23.6"H x 12.6"W)
- Weight: 88 lbs (40 Kg)

Model	AC Input	Battery Capacity
12V/60A	10.3 A	12V 480Ah
24V/45A	13.9 A	24V 360Ah
36V/30A	13.5 A	36V 240Ah
48V/25A	13.9 A	48V 200Ah

HF7

Single-phase
230Vac $\pm 10\%$



Box M

TECHNICAL FEATURES:

- Microprocessor-controlled charging process
- Different types of curves:
CYCLIC pb
CYCLIC pb Gel
CYCLIC NiCd
CYCLIC LiPO
CYCLIC AGM
DESULPHATION
- Multifunctional LCD Display
- Failure diagnostic by means of LED's and LCD
- Fan assisted
- Protection against battery polarity inversion
- Stored charges

HF7 Single Phase 230Vac $\pm 10\%$	M48	M80
Code	980M48	980M80
Voltage	6 \div 48V	6 \div 80V
Current	2 \div 70A	2 \div 40A
Charging Time	0,5 \div 96 h	

Single Phase 230Vac $\pm 10\%$

HF8

Three-phase
400Vac $\pm 10\%$



Box TX



Box T

OPTION FOR BOX T
Wall or Floor Support

TECHNICAL FEATURES:

- Microprocessor-controlled charging process
- Different types of curves:
CYCLIC pb
CYCLIC pb Gel
CYCLIC NiCd
CYCLIC LiPO
CYCLIC AGM
DESULPHATION
- Multifunctional LCD Display
- Failure diagnostic by means of LED's and LCD
- Fan assisted
- Protection against battery polarity inversion
- Stored charges

HF8 Three Phase 400Vac $\pm 10\%$	T	TX
Code	982	981
Voltage	6 \div 96V	6 \div 96V
Current	2 \div 80A	4 \div 160A
Charging Time	0,5 \div 96 h	

Three Phase 400Vac $\pm 10\%$

DISPLAY LCD:

- LCD displaying the followings charging data:
- Current delivered in real time (A)
 - Voltage at battery terminals (V)
 - Total charging time
 - Total amount of Ah delivered to the battery
 - Charging phase
 - Current charging status
 - Selected charging curve
 - Programmed voltage and current
 - Anomalies

BOX:

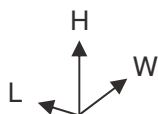
Protection class IP20
Coated with epoxy powder Standard colour:
Yellow RAL1028 and Grey RAL 7016



Dimensions	L		H		P	
	mm	inches	mm	inches	mm	inches
Box M	330	13.00	520	20.47	180	7.08
Box T	400	15.75	430	16.93	300	11.81
Box TX	600	23.62	800	31.50	400	15.75

HF3-T

Three-phase



Length	Height	Width
15.75" (400mm)	16.93" (430mm)	11.81" (300mm)

GENERAL FEATURES:

- Switching battery charger with high-frequency technology.
- For TRACTION and STATIONARY lead-acid and sealed batteries.
- Reduced dimension and weight.
- Safety and user friendliness.
- Noiseless.
- Great Performances, Energy Saving and Efficiency.

TECHNICAL REMARKS:

- Power supply: three-phase, 400 VAC $\pm 10\%$ Frequency: 50 \div 60 Hz.
- Multi-Function LC-display with button for immediate readout of the charging parameters.
- Fault diagnostics by means of LEDs and an LC-display.
- External connection by means of a RS-232 serial port.
- Internal ventilation.
- Prepared for wall mounting. An installation on an extra support is also available (on request).
- Sheet steel cabinet, painted with epoxy powder.
- The charger conforms to the Low Voltage Directive 73/23/EEC.

Code	Volts	Amps	BATTERY CAPACITY	
			7 \div 8 h	9 \div 12 h
30.1500	24	50A	300 \div 350	400 \div 500
30.1501	24	60A	360 \div 420	480 \div 600
30.1502	24	70A	420 \div 490	560 \div 700
30.1503	24	80A	480 \div 560	640 \div 800
30.1504	24	100A	600 \div 700	800 \div 1000
30.1505	24	120A	720 \div 840	960 \div 1200
30.1506	24	140A	840 \div 980	1120 \div 1400
30.1507	36	50A	300 \div 350	400 \div 500
30.1508	36	60A	360 \div 420	480 \div 600
30.1509	36	70A	420 \div 490	560 \div 700
30.1510	36	80A	480 \div 560	640 \div 800
30.1511	36	100A	600 \div 700	800 \div 1000
30.1512	36	120A	720 \div 840	960 \div 1200
30.1513	36	140A	840 \div 980	1120 \div 1400
30.1515	48	50A	300 \div 350	400 \div 500
30.1516	48	60A	360 \div 420	480 \div 600

Code	Volts	Amps	BATTERY CAPACITY	
			7 \div 8 h	9 \div 12 h
30.1517	48	70A	420 \div 490	560 \div 700
30.1518	48	80A	480 \div 560	640 \div 800
30.1519	48	100A	600 \div 700	800 \div 1000
30.1520	48	120A	720 \div 840	960 \div 1200
30.1521	48	130A	780 \div 910	1040 \div 1300
30.1522	72	40A	240 \div 280	320 \div 400
30.1523	72	50A	300 \div 350	400 \div 500
30.1524	72	60A	360 \div 420	480 \div 600
30.1525	72	70A	420 \div 490	560 \div 700
30.1526	72	80A	480 \div 560	640 \div 800
30.1528	80	40A	240 \div 280	320 \div 400
30.1529	80	50A	300 \div 350	400 \div 500
30.1530	80	60A	360 \div 420	480 \div 600
30.1532	80	70A	420 \div 490	560 \div 700
30.1531	80	80A	480 \div 560	640 \div 800

Three-phase high-frequency battery charger with or without Air Pump.

HF5

Single-phase



TECHNICAL REMARKS:

- High frequency system with advance technology.
- Microprocessor-controlled charging process.
- Universal input voltage: 100-240V AC.
- Charging process start in the "soft start" mode.
- Automatic reset upon connection of a new battery and automatic start of a new charging cycle.
- Battery to charger connection without sparks on the output terminals resulting in a better active safety, thanks to the detection of battery voltage downstream the normally open output relay.
- Protection against polarity reversals, short-circuits, over-voltages or failures by means of an output relay.
- Signalling of failures, if any, by flashing red LED's.
- $\pm 10\%$ mains voltage fluctuations do not affect charging parameters.
- Efficiency $> 85\%$.
- Output ripple lower than 100mV at maximum load.
- Start of the charge cycle even with 2V batteries.

Code	Volts	Amps	kVA	Battery Capacity	Box
HF5012005	12	5	0,12	20 \div 50	A
HF5012010	12	10	0,25	60 \div 100	B
HF5012015	12	15	0,37	110 \div 150	C
HF5012020	12	20	0,50	145 \div 200	C
HF5024005	24	5	0,25	20 \div 50	A
HF5024010	24	10	0,50	60 \div 100	B
HF5024015	24	15	0,75	110 \div 150	C
HF5024020	24	20	1,00	145 \div 200	C

BOX	H	W	W
A	5.24"	4.41"	2.36"
	133mm	112mm	60mm
B	5.24"	5.71"	2.36"
	133mm	145mm	60mm
C	5.28"	9.45"	2.36"
	134mm	240mm	63mm

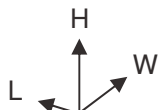
Single-phase high-frequency battery charger with advanced technology.

HIGH FREQUENCY BATTERY CHARGERS

350

HF6

Single-phase



Length	Height	Width
7.48"	12.20"	5.11"
(190mm)	(310mm)	(130mm)

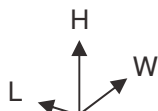
Battery Charges Single-Phase High Frequency.

TECHNICAL FEATURES:

- Single Phase input supply: 208 ÷ 240Vac ± 10% 50/60Hz
- Single Phase input supply available 100-120 Vac ± 10% 50-60Hz (not available for XP models)
- Visualization on a LCD display: Current (A), Battery voltage(U), Time of charging (h) Ah charged(Ah), Signals of anomalies
- Operating temperature: -10 + 40°C
- Possibility to change the charging curve by external dipswitch, choosing from 8 pre programmed curves for lead-acid, GEL, AGM
- 5 seconds Soft start mode.
- Charge cycles begins with batteries as low as 2V
- Protection against polarity inversion, short circuits & over-voltages
- Available accessories for installation on board: Relay for safety interlock, Cable equipped with remote led
- External Box in ABS self-extinguishing UL94-V0
- IP Protection: IP30 switch forced ventilation

HF7

Single-phase



Length	Height	Width
13.15"	2.04"	7.08"
(334mm)	(52mm)	(180mm)

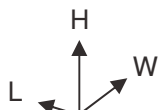
Battery Charges Single-Phase High Frequency.

TECHNICAL FEATURES:

- Power Supply: 190 ÷ 240Vac 50/60Hz Monophase
- User Interface with Graphical LCD, 4 status Leds, 3 push buttons to access the menu for programming, testing and historical data visualizing
- The LCD displays the charging profile in real time
- Environment Temperature: -10 + 40°C
- Data Memory for 50 cycles of charges
- 8 charging profiles present onto the battery charger
- All profile are re-programmable with PC with a USB cable
- 8 standard profiles stored on FLASH
- With the HF7 menu you can enter following pages:
 - MONITOR** (Visualizing the actual charge cycle): this is a page for the Visualizing of the Charging profile, the Voltage, The Current, The Phase ID, the Time of charge
 - OLD DATA** (Visualizing of the stored cycles): This is a set of pages reporting the historical data of the cycles already ended.
 - ALARMS** The list of eventual alarm occurred during the cycles.
 - PROGRAM** Menu for programming all parameters of Voltages, Current, Timing for each phase of each cycle.
 - BATTERY ID** A menu for programming the Battery Identifier.
 - INFO** A page for visualizing: Charger Size, Profile ID, BIOS and FW identifier
 - CONTROL TEST** Menu for the manual control of the main actions of the charger.

HF8

Three-phase
(BOX A)



Length	Height	Width
13.15"	16.93"	11.81"
(400mm)	(430mm)	(300mm)

Battery Charges Three-Phase High Frequency.

TECHNICAL FEATURES:

- Standard Power Supply: 400Vac 50/60Hz Three-phase
- Input supply available 480Vac 50/60Hz Three-phase
- User Interface with Graphical LCD, 4 status Leds, 3 push buttons to access the menu for programming, testing and historical data visualizing
- The LCD displays the charging profile in real time
- Environment Temperature: -10 + 40°C
- Data Memory for 50 cycles of charges
- 8 charging profiles present onto the battery charger
- All profile are re-programmable with PC with a USB cable
- 8 standard profiles stored on FLASH
- With the HF7 menu you can enter following pages:
 - MONITOR** (Visualizing the actual charge cycle): this is a page for the Visualizing of the Charging profile, the Voltage, The Current, The Phase ID, the Time of charge
 - OLD DATA** (Visualizing of the stored cycles): This is a set of pages reporting the historical data of the cycles already ended.
 - ALARMS** The list of eventual alarms occurred during the cycles.
 - PROGRAM** Menu for programming all parameters of Voltages, Current, Timing for each phase of each cycle.
 - BATTERY ID** A menu for programming the Battery Identifier.
 - INFO** A page for visualizing: Charger Size, Profile ID, BIOS and FW identifier
 - CONTROL TEST** Menu for the manual control of the main actions of the charger.

TYPE	HF6	MODEL					BATTERY CAPACITY	
		XP	HF7	XP	HF8	BOX	6,5 ÷ 8 h	10 ÷ 12 h
12V / 20A	HF6012020						100 ÷ 120	160 ÷ 200
12V / 25A	HF6012025						125 ÷ 150	200 ÷ 250
12V / 30A	HF6012030						150 ÷ 180	240 ÷ 300
12V / 40A	HF6012040	XP					200 ÷ 240	230 ÷ 400
24V / 20A	HF6024020						100 ÷ 120	160 ÷ 200
24V / 25A	HF6024025						125 ÷ 150	200 ÷ 250
24V / 30A	HF6024030						150 ÷ 180	240 ÷ 300
24V / 35A	HF6024035	XP					175 ÷ 210	280 ÷ 350
24V / 40A	HF6024040	XP					200 ÷ 240	230 ÷ 400
24V / 50A			8800	XP	900	A	250 ÷ 300	400 ÷ 500
24V / 60A			8801	XP	901	A	300 ÷ 360	480 ÷ 600
24V / 70A			8802	XP	902	A	350 ÷ 420	560 ÷ 700
24V / 80A			8840	XP	903	A	400 ÷ 480	560 ÷ 800
24V / 90A			8841	XP			450 ÷ 540	720 ÷ 900
24V / 100A			8842	XP	904	A	500 ÷ 600	800 ÷ 1000
24V / 120A			8843	XP	905	A	600 ÷ 720	950 ÷ 1150
24V / 140A					647	B	700 ÷ 840	1120 ÷ 1400
24V / 160A					648	B	800 ÷ 960	1280 ÷ 1600
24V / 180A					649	B	900 ÷ 1080	1440 ÷ 1800
24V / 200A					650	B	1000 ÷ 1200	1600 ÷ 2000
24V / 220A					651	B	1100 ÷ 1320	1760 ÷ 2200
24V / 240A					652	B	1200 ÷ 1440	1920 ÷ 2400
36V / 15A	HF6036015						75 ÷ 90	120 ÷ 150
36V / 20A	HF6036020						100 ÷ 120	160 ÷ 200
36V / 25A	HF6036025						125 ÷ 150	200 ÷ 250
36V / 30A	HF6036030	XP	8804	XP			150 ÷ 180	240 ÷ 300
36V / 40A			8805	XP			200 ÷ 240	230 ÷ 400
36V / 50A			8846	XP	907	A	250 ÷ 300	400 ÷ 500
36V / 60A			8847	XP	908	A	300 ÷ 360	480 ÷ 600
36V / 70A			8848	XP	909	A	350 ÷ 420	560 ÷ 700
36V / 80A			8849	XP	910	A	400 ÷ 480	560 ÷ 800
36V / 90A			8850	XP			450 ÷ 540	720 ÷ 900
36V / 100A					911	A	500 ÷ 600	800 ÷ 1000
36V / 120A					912	A	600 ÷ 720	950 ÷ 1150
36V / 140A					656	B	700 ÷ 840	1120 ÷ 1400
36V / 160A					657	B	800 ÷ 960	1280 ÷ 1600
36V / 180A					658	B	900 ÷ 1080	1440 ÷ 1800
36V / 200A					659	B	1000 ÷ 1200	1600 ÷ 2000
36V / 220A					660	B	1100 ÷ 1320	1760 ÷ 2200
36V / 240A					661	B	1200 ÷ 1440	1920 ÷ 2400
48V / 15A	HF6048015						75 ÷ 90	120 ÷ 150
48V / 20A	HF6048020						100 ÷ 120	160 ÷ 200
48V / 30A			8808	XP			150 ÷ 180	240 ÷ 300
48V / 40A			8809	XP			200 ÷ 240	230 ÷ 400
48V / 50A			8853	XP	915	A	250 ÷ 300	400 ÷ 500
48V / 60A			8854	XP	916	A	300 ÷ 360	480 ÷ 600
48V / 70A					917	A	350 ÷ 420	560 ÷ 700
48V / 75A			8855	XP			375 ÷ 450	600 ÷ 750
48V / 80A					918	A	400 ÷ 480	560 ÷ 800
48V / 100A					919	A	500 ÷ 600	800 ÷ 1000
48V / 120A					921	A	600 ÷ 720	950 ÷ 1150
48V / 140A					664	B	700 ÷ 840	1120 ÷ 1400
48V / 160A					665	B	800 ÷ 960	1280 ÷ 1600
48V / 180A					666	B	900 ÷ 1080	1440 ÷ 1800
48V / 200A								
48V / 220A								
48V / 240A								
72V / 30A			8811	XP			150 ÷ 180	240 ÷ 300
72V / 40A			8812	XP	924	A	200 ÷ 240	230 ÷ 400
72V / 50A			8858	XP	925	A	250 ÷ 300	400 ÷ 500
72V / 60A					926	A	300 ÷ 360	480 ÷ 600
72V / 70A					927	A	350 ÷ 420	560 ÷ 700
72V / 80A					928	A	400 ÷ 480	560 ÷ 800
72V / 100A					672	B	500 ÷ 600	800 ÷ 1000
72V / 120A					673	B	600 ÷ 720	950 ÷ 1150
72V / 140A					674	B	700 ÷ 840	1120 ÷ 1400
72V / 160A					675	B	800 ÷ 960	1280 ÷ 1600
80V / 20A			8814	XP			100 ÷ 120	160 ÷ 200
80V / 30A			8815	XP			150 ÷ 180	240 ÷ 300
80V / 40A			8860	XP	931	A	200 ÷ 240	230 ÷ 400
80V / 50A					932	A	250 ÷ 300	400 ÷ 500
80V / 60A					933	A	300 ÷ 360	480 ÷ 600
80V / 70A					934	A	350 ÷ 420	560 ÷ 700
80V / 80A					935	A	400 ÷ 480	560 ÷ 800
80V / 100A					685	B	500 ÷ 600	800 ÷ 1000
80V / 120A					686	B	600 ÷ 720	950 ÷ 1150
80V / 140A					687	B	700 ÷ 840	1120 ÷ 1400
80V / 160A					688	B	800 ÷ 960	1280 ÷ 1600



Single Pole - Single Throw - Intermittent Coil
12 Volt 180 AMP
CTR-12-100



Single Pole - Single Throw
12 Volt 80 AMP
CTR-12-103



Double Pole - Double Throw - Intermittent Coil
Suppression - Mounting Brackets
12 Volt 80 AMP
CTR-12-106



Single Pole - Single Throw - Blow Outs
12 Volt 250 AMP
CTR-12-112



Double Pole - Double Throw
Intermittent Coil - Blow Outs
12 Volt 180 AMP
CTR-12-115



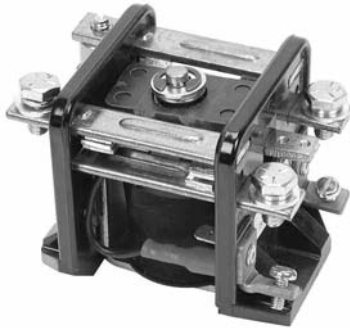
Single Pole - Single Throw
12 Volt 75 AMP
CTR-12-118



Single Pole - Single Throw
12 Volt 75 AMP
CTR-12-121



Single Pole - Double Throw
12 Volt 75 AMP
CTR-12-124



Single Pole - Double Throw
12 Volt 75 AMP
CTR-12-127



Single Pole - Double Throw
12 Volt 75 AMP
CTR-12-130



Single Pole - Single Throw - Intermittent Coil
24 Volt 180 AMP
CTR-24-200



Single Pole - Single Throw - Continuous Coil
24 Volt 180 AMP
CTR-24-203



Single Pole - Single Throw - Intermittent Coil
24 Volt 180 AMP
CTR-24-206



Single Pole - Single Throw
Intermittent Coil - Blowouts
24 Volt 180 AMP
CTR-24-209



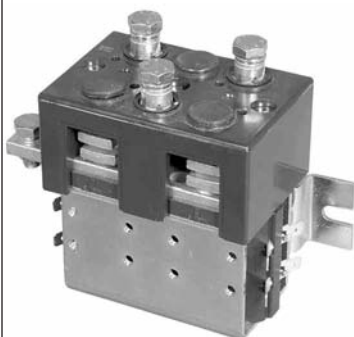
Double Pole - Double Throw - Intermittent Coil
Blow Outs - Mounting Brackets
24 Volt 180 AMP
CTR-24-212



Double Pole - Single Throw
Continuous Coil - Blowouts
24 Volt 180 AMP
CTR-24-215



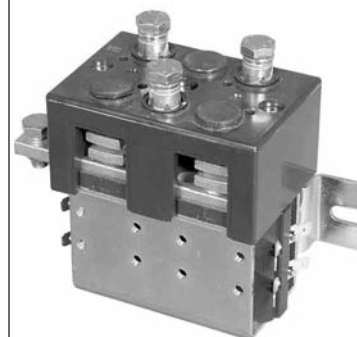
Single Pole - Single Throw
Intermittent Coil - Blowouts
24 Volt 250 AMP
CTR-24-218



Double Pole - Double Throw - Intermittent Coil
24 Volt 180 AMP
CTR-24-221



Double Pole - Double Throw
Intermittent Coil - Blowouts
24 Volt 180 AMP
CTR-24-224



Double Pole - Double Throw
Intermittent Coil - Mounting Brackets
24 Volt 180 AMP
CTR-24-227



Double Pole - Double Throw - Intermittent Coil
24 Volt 180 AMP
CTR-24-230



Double Pole - Double Throw - Intermittent Coil
24 Volt 180 AMP
CTR-24-233



Double Pole - Double Throw
Intermittent Coil - Blowouts
24 Volt 180 AMP
CTR-24-236



Single Pole - Single Throw - Intermittent Coil
24 Volt 80 AMP
CTR-24-239



Single Pole - Single Throw
Intermittent Coil - Blowouts
24 Volt 80 AMP
CTR-24-242



Single Pole - Single Throw - Continuous Coil
24 Volt 80 AMP
CTR-24-245



Double Pole - Double Throw - Intermittent Coil
Blowouts - Mounting Brackets
24 Volt 80 AMP
CTR-24-248



Double Pole - Double Throw - Intermittent Coil
Blowouts - Mounting Brackets
24 Volt 80 AMP
CTR-24-251



Single Pole - Single Throw - Intermittent Coil
24 Volt 180 AMP
CTR-24-253



Double Pole - Double Throw
Continuous Coil - Mounting Brackets
24 Volt 300 AMP
CTR-24-257



Single Pole - Single Throw
12 Volt 75 AMP
CTR-24-260



Double Pole - Double Throw
Continuous Coil - Mounting Brackets
24 Volt 300 AMP
CTR-24-263



Single Pole - Single Throw
Continuous Coil - Mounting Brackets
24 Volt 150 AMP
CTR-24-266



Intermittent Coil - Mounting Brackets
24 Volt 100 AMP
CTR-24-269



Double Pole - Double Throw
Continuous Coil - Mounting Brackets
24 Volt 150 AMP
CTR-24-272



Single Pole - Single Throw
Continuous Coil - Blow Outs
24 Volt 250 AMP
CTR-24-275



Single Pole - Single Throw
Intermittent Coil - Mounting Brackets
24 Volt 80 AMP
CTR-24-278



Double Pole - Double Throw
Intermittent Coil - Mounting Brackets
24 Volt 80 AMP
CTR-24-280



Double Pole - Double Throw
Continuous Coil - Mounting Brackets
24 Volt 100 AMP
CTR-24-283



Single Pole - Single Throw
24 Volt 75 AMP
CTR-24-286



Single Pole - Single Throw - Intermittent Coil
24 Volt 80 AMP
CTR-24-289



Double Pole - Double Throw
Intermittent Coil - Blow Outs
24 Volt 250 AMP
CTR-24-292



Double Pole - Single Throw - Intermittent Coil
24 Volt 80 AMP
CTR-24-295



Double Pole - Single Throw - Continuous Coil
24 Volt 80 AMP
CTR-24-298



Double Pole - Single Throw
Intermittent Coil - Blow Outs
24 Volt 100 AMP
CTR-24-304



Double Pole - Double Throw - Intermittent Coil
24 Volt 250 AMP
CTR-24-307



Double Pole - Double Throw - Intermittent Coil
24 Volt 250 AMP
CTR-24-310



Single Pole - Single Throw - Intermittent Coil
24 Volt 180 AMP
CTR-24-313



Single Pole - Double Throw
24 Volt 75 AMP
CTR-24-316



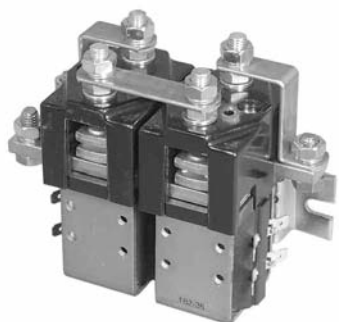
Single Pole - Double Throw
24 Volt 75 AMP
CTR-24-319



Single Pole - Double Throw
24 Volt 75 AMP
CTR-24-322



Single Pole - Single Throw
36/48 Volt 180 AMP
CTR-36-300



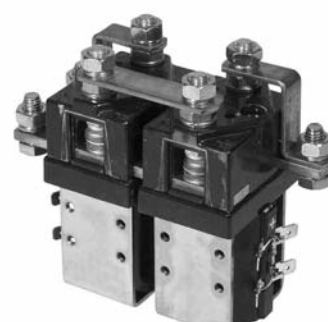
Double Pole - Double Throw - Intermittent Coil
Blowouts - Mounting Brackets
36 Volt 180 AMP
CTR-36-303



Single Pole - Single Throw
36 Volt 250 AMP
CTR-36-306



Single Pole - Single Throw
36/48 Volt 180 AMP
CTR-36-309



Double Pole - Double Throw
Continuous Coil - Blow Outs
36/48 Volt 100 AMP
CTR-36-312



Double Pole - Double Throw
Continuous Coil - Mounting Brackets
36 Volt 300 AMP
CTR-36-315



Double Pole - Double Throw
Continuous Coil - Mounting Brackets
36 Volt 300 AMP
CTR-36-318



Double Pole - Double Throw
Continuous Coil - Mounting Brackets
36 Volt 300 AMP
CTR-36-321



Double Pole - Double Throw - Blow Outs
36 Volt 250 AMP
CTR-36-324



Single Pole - Single Throw
Continuous Coil - Mounting Brackets
36 Volt 150 AMP
CTR-36-327



Double Pole - Double Throw
Continuous Coil - Mounting Brackets
36 Volt 300 AMP
CTR-36-330



Double Pole - Double Throw
Continuous Coil - Mounting Brackets
36 Volt 300 AMP
CTR-36-333



Double Pole - Double Throw
Continuous Coil - Mounting Brackets
36 Volt 300 AMP
CTR-36-336



Single Pole - Single Throw - Intermittent Coil
36 Volt 180 AMP
CTR-36-339



Single Pole - Single Throw
36 Volt 75 AMP
CTR-36-342



Single Pole - Single Throw
36 Volt 75 AMP
CTR-36-345



Single Pole - Single Throw
Intermittent Coil - Blow Outs
48 Volt 250 AMP
CTR-48-400



Single Pole - Single Throw
Intermittent Coil - Blow Outs
48 Volt 180 AMP
CTR-48-403



Intermittent Coil - Blow Outs
48 Volt 250 AMP
CTR-48-406



Emergency Shut-Off Switch
ED250-1

CONTACTOR CROSS REFERENCE

OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#
005657	CTR-24-322	00591-30686-81	CTR-12-130	00591-33072-81	CTR-24-263	00591-44166-81	CTR-24-230
00590-01951-71	CTR-24-236	00591-30687-81	CTR-24-316	00591-33073-81	CTR-36-321	00591-44168-81	CTR-24-200
00590-01975-71	CTR-24-239	00591-30688-81	CTR-12-127	00591-33076-81	CTR-24-257	00591-44169-81	CTR-24-253
00590-04637-71	CTR-24-269	00591-30689-81	CTR-24-319	00591-33078-81	CTR-36-330	00591-44170-81	CTR-36-300
00591-04280-81	CTR-24-272	00591-30691-81	CTR-24-316	00591-33079-81	CTR-36-318	00591-44171-81	CTR-24-224
00591-04901-81	CTR-24-257	00591-30692-81	CTR-24-319	00591-34919-81	CTR-36-321	00591-51676-81	CTR-24-272
00591-04963-81	CTR-36-342	00591-30693-81	CTR-24-260	00591-34920-81	CTR-36-315	00591-51685-81	CTR-24-322
00591-05057-81	CTR-12-127	00591-30694-81	CTR-36-342	00591-34936-81	CTR-36-321	00591-51687-81	CTR-12-100
00591-05087-81	CTR-24-319	00591-30695-81	CTR-24-286	00591-34937-81	CTR-36-315	00591-51688-81	CTR-24-212
00591-05088-81	CTR-24-316	00591-30705-81	CTR-24-322	00591-36727-81	CTR-12-124	00591-51690-81	CTR-36-342
00591-05089-81	CTR-24-260	00591-30708-81	CTR-24-272	00591-36728-81	CTR-36-345	00591-51691-81	CTR-24-316
00591-14850-81	CTR-12-103	00591-30726-81	CTR-24-200	00591-36729-81	CTR-12-118	00591-51694-81	CTR-24-272
00591-17456-81	CTR-36-321	00591-30727-81	CTR-24-239	00591-36730-81	CTR-24-286	00591-51695-81	CTR-24-266
00591-17457-81	CTR-12-106	00591-30728-81	CTR-12-106	00591-36782-81	CTR-12-100	00591-57000-81	CTR-24-200
00591-17458-81	CTR-24-251	00591-30729-81	CTR-24-251	00591-36785-81	CTR-24-278	00591-57001-81	CTR-12-115
00591-23378-81	CTR-12-121	00591-30730-81	CTR-12-115	00591-36788-81	CTR-12-100	00591-57014-81	CTR-24-251
00591-23761-81	CTR-24-263	00591-30731-81	CTR-24-212	00591-36799-81	CTR-24-272	00591-57016-81	CTR-12-118
00591-23762-81	CTR-36-315	00591-30732-81	CTR-24-266	00591-36801-81	CTR-36-327	00591-57019-81	CTR-12-130
00591-23764-81	CTR-36-330	00591-30734-81	CTR-24-272	00591-36804-81	CTR-24-251	00591-57020-81	CTR-12-127
00591-23766-81	CTR-36-318	00591-30736-81	CTR-24-272	00591-36809-81	CTR-36-336	00591-57023-81	CTR-24-239
00591-23809-81	CTR-24-272	00591-30737-81	CTR-24-272	00591-36810-81	CTR-24-239	00591-57025-81	CTR-24-278
00591-23813-81	CTR-24-266	00591-30739-81	CTR-24-272	00591-44144-81	CTR-24-215	00591-57030-81	CTR-24-272
00591-23814-81	CTR-36-327	00591-33059-81	CTR-36-321	00591-44150-81	CTR-24-239	00591-57033-81	CTR-24-272
00591-23820-81	CTR-24-272	00591-33061-81	CTR-24-257	00591-44156-81	CTR-24-251	00591-57039-81	CTR-36-327
00591-23827-81	CTR-24-272	00591-33062-81	CTR-24-263	00591-44162-81	CTR-24-239	00591-57046-81	CTR-36-330
00591-30684-81	CTR-36-315	00591-33071-81	CTR-24-257	00591-44165-81	CTR-24-280	00591-57047-81	CTR-24-257

CONTACTOR CROSS REFERENCE

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OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#
00591-57056-81	CTR-36-336	084653	CTR-36-330	116794-002	CTR-24-230	134922	CTR-24-200
00591-57057-81	CTR-24-239	084655	CTR-36-342	116794-003	CTR-24-221	137597	CTR-12-115
00591-60549-81	CTR-36-327	087154	CTR-36-315	116794-005	CTR-24-233	137873	CTR-12-100
00591-72322-81	CTR-36-312	087155	CTR-36-321	116794-1	CTR-24-224	137874	CTR-24-200
00591-72323-81	CTR-24-253	090301	CTR-12-124	116794-2	CTR-24-230	137875	CTR-12-115
00591-72325-81	CTR-12-112	090302	CTR-12-127	116794-3	CTR-24-221	137876	CTR-24-212
00591-72326-81	CTR-24-218	090303	CTR-12-130	116794-5	CTR-24-233	1380538	CTR-24-239
00591-72327-81	CTR-36-306	090304	CTR-12-118	1167945	CTR-24-224	138880	CTR-24-218
00591-72328-81	CTR-48-400	092080	CTR-12-124	117853-001	CTR-24-218	138987	CTR-12-100
00591-72332-81	CTR-24-295	092081	CTR-12-127	117853-1	CTR-24-218	138989	CTR-24-203
00591-72342-81	CTR-24-227	092082	CTR-12-130	118198	CTR-24-263	140657	CTR-36-333
00591-73800-81	CTR-24-224	092083	CTR-12-118	118280-003	CTR-24-313	142409	CTR-24-212
0217095	CTR-24-272	093574	CTR-24-319	118280-004	CTR-36-339	142796	CTR-36-324
0245437	CTR-24-272	093575	CTR-24-316	118280-3	CTR-24-313	144087	CTR-24-227
025-839	CTR-12-100	093576	CTR-24-260	118280-4	CTR-36-339	144126	CTR-24-275
025-839-99	CTR-12-100	1-105-048	CTR-12-100	118281-001	CTR-24-275	14480230	CTR-24-272
025-840	CTR-12-115	1-105-052	CTR-12-100	118281-1	CTR-24-275	14520932	CTR-24-272
025-841	CTR-24-200	1-105-204	CTR-24-272	118282-002	CTR-24-307	1454114	CTR-24-200
025-841-99	CTR-24-200	1-105-216	CTR-24-239	118282-005	CTR-24-310	1454115	CTR-24-200
025-842	CTR-24-212	1-105-218	CTR-24-236	118282-2	CTR-24-307	1456868	CTR-24-218
025-858	CTR-24-248	1-105-220	CTR-24-269	118282-5	CTR-24-310	1459488	CTR-24-200
025-869	CTR-12-106	1-105-224	CTR-24-200	118396	CTR-24-215	1500306	CTR-24-200
025-893	CTR-36-336	102061	CTR-36-300	119159	CTR-24-292	1500357	CTR-36-300
0271889	CTR-36-327	104140	CTR-24-266	1197388	CTR-24-272	1500358	CTR-36-309
0275403	CTR-36-321	104483	CTR-24-272	119783	CTR-24-239	150AH124XN	CTR-24-266
0289341	CTR-24-263	104FR124XN	CTR-24-272	119799	CTR-24-218	150AH136XN	CTR-36-327
0301421	CTR-36-342	105541	CTR-36-300	119800	CTR-12-103	151759	CTR-24-278
0339196	CTR-36-342	105706	CTR-24-272	119801	CTR-24-239	154548	CTR-24-289
0349975	CTR-12-100	106109	CTR-36-327	1198693	CTR-36-315	154626	CTR-24-295
0349976	CTR-24-200	106109-001	CTR-36-327	120137-001	CTR-24-298	154FR124XN	CTR-24-272
0349978	CTR-12-115	106109-1	CTR-36-327	120137-1	CTR-24-298	158FR124XN	CTR-24-272
0372053	CTR-24-212	1061338	CTR-24-272	120975	CTR-24-242	170-1070	CTR-36-327
0372055	CTR-24-239	107-0106	CTR-36-330	122496-001	CTR-24-224	177MEA1	CTR-36-342
0372063	CTR-36-312	107-0112	CTR-36-327	122496-1	CTR-24-224	177MEA2	CTR-36-342
0381030	CTR-36-315	107258	CTR-36-336	123470-001	CTR-24-224	177MHJ1	CTR-36-342
0381031	CTR-36-321	109740	CTR-24-266	123470-002	CTR-24-230	177MHJ2	CTR-36-342
0383931	CTR-24-239	109747	CTR-24-272	123470-003	CTR-24-221	188396	CTR-24-215
0388016	CTR-36-327	109748	CTR-24-278	123470-1	CTR-24-224	20-7301779	CTR-36-342
0388227	CTR-24-272	110016	CTR-36-321	123470-2	CTR-24-230	20-7302283	CTR-36-321
043066	CTR-24-251	110613-001	CTR-24-206	123470-3	CTR-24-221	2000160	CTR-24-283
073190	CTR-12-124	110613-002	CTR-24-200	125123	CTR-36-342	200098	CTR-24-272
073191	CTR-12-127	110613-003	CTR-24-209	125153	CTR-36-342	200099	CTR-24-239
073192	CTR-12-130	110613-005	CTR-36-300	1253	CTR-12-124	200100	CTR-24-266
073193	CTR-12-118	110613-03	CTR-24-253	125549	CTR-36-321	2008261	CTR-24-200
074283	CTR-24-319	110613-1	CTR-24-206	125550	CTR-36-315	201333	CTR-24-263
074284	CTR-24-316	110613-2	CTR-24-200	127566	CTR-12-100	201345	CTR-24-266
074285	CTR-24-260	110613-3	CTR-24-209	127568	CTR-24-200	201345-000	CTR-24-266
075440	CTR-24-272	110613-5	CTR-36-300	127573	CTR-12-115	201349	CTR-12-118
076342	CTR-24-272	111634	CTR-24-272	127574	CTR-24-212	201350	CTR-24-286
079771	CTR-24-263	112217	CTR-24-272	1319563	CTR-24-212	201352	CTR-36-342
079772	CTR-24-257	112327	CTR-24-319	1330682	CTR-24-272	201353	CTR-12-124
0801084	CTR-24-239	112328	CTR-24-316	1330938	CTR-36-309	201356	CTR-24-319
0826024	CTR-12-100	112329	CTR-24-260	1340371	CTR-24-245	2014096	CTR-24-272
0826025	CTR-24-200	1135034	CTR-24-269	134290	CTR-24-212	2020007001	CTR-48-403
0826031	CTR-12-115	1139983	CTR-24-272	134916	CTR-24-212	202116	CTR-36-321
0826032	CTR-24-212	114475	CTR-12-115	134918	CTR-24-212	202169	CTR-36-327
083872	CTR-24-257	114476	CTR-12-100	134919	CTR-12-115	2034462	CTR-24-280
083873	CTR-24-263	116139	CTR-24-272	134920	CTR-24-212	2034524	CTR-12-112
084652	CTR-36-318	116794-001	CTR-24-224	134921	CTR-12-100	2034646	CTR-24-218

CONTACTOR CROSS REFERENCE

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OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#
2035562	CTR-24-283	23417	CTR-24-227	216137	CTR-24-286	372063	CTR-36-312
2040563	CTR-24-239	2419702	CTR-36-321	216138	CTR-24-316	375-7809	CTR-24-230
2061613	CTR-24-239	24205-01	CTR-24-272	3007750	CTR-36-342	381030	CTR-36-315
217095	CTR-24-272	24205-1	CTR-24-272	3012154	CTR-24-257	381031	CTR-36-321
220002118	CTR-36-345	245437	CTR-24-272	3012155	CTR-24-263	383925	CTR-24-200
220003103	CTR-24-263	2501-102407	CTR-48-400	3012156	CTR-36-318	383931	CTR-24-245
220003161	CTR-24-257	2501-102409	CTR-48-400	3012157	CTR-36-330	388016	CTR-36-327
220003162	CTR-24-263	2501-105194	CTR-24-239	3012752	CTR-24-319	388227	CTR-24-272
220003163	CTR-36-318	253737	CTR-24-236	3012753	CTR-24-316	39064-001	CTR-12-115
220003164	CTR-36-330	258448900	CTR-36-336	3012754	CTR-24-260	39064-002	CTR-24-212
220003285	CTR-24-319	26673-02	CTR-24-266	301421	CTR-36-342	39066-003	CTR-24-239
220003286	CTR-24-316	2690609	CTR-24-218	3016308	CTR-36-342	39068-001	CTR-12-106
220003287	CTR-24-260	26906090	CTR-24-218	3016563	CTR-36-345	39068-002	CTR-24-251
220003424	CTR-36-315	27100-02	CTR-24-257	3018123	CTR-36-342	39068-003	CTR-24-248
220003450	CTR-36-321	27100-04	CTR-24-257	301901-565	CTR-24-266	39068-3	CTR-24-248
2200116-95	CTR-24-212	27100-2	CTR-24-257	3019755	CTR-36-315	39073-005	CTR-24-263
220011694	CTR-12-100	27100-4	CTR-24-257	3019757	CTR-36-321	39073-012	CTR-24-257
220011695	CTR-24-212	27140-040	CTR-24-272	3031644	CTR-24-251	39186-001	CTR-24-266
220014581	CTR-36-327	27185-01	CTR-24-322	304297-000	CTR-24-239	39187-001	CTR-24-272
220015003	CTR-24-266	271876	CTR-36-315	304FR124XN	CTR-24-272	39187-004	CTR-24-272
220017983	CTR-24-322	271889	CTR-36-327	3052590	CTR-36-321	39187-1	CTR-24-272
220022563	CTR-24-278	272037200	CTR-48-403	3052702	CTR-24-263	39187-4	CTR-24-272
220022588	CTR-24-272	272037800	CTR-48-403	3053328	CTR-24-239	3BA-47-A4170	CTR-24-272
2200226-30	CTR-24-248	275403	CTR-36-315	3053344	CTR-36-315	3BB-47-A3910	CTR-24-272
220022630	CTR-24-251	27692	CTR-24-272	3053345	CTR-36-321	3WB-47-A1530	CTR-24-272
220023774	CTR-36-321	27692-00	CTR-24-272	3053442	CTR-12-100	3WB-47-A1540	CTR-24-266
220023776	CTR-24-263	27693-02	CTR-24-266	3053443	CTR-24-200	43066	CTR-24-251
220023780	CTR-24-272	27693-04	CTR-36-327	3053999	CTR-24-212	4308934	CTR-24-272
220023784	CTR-24-266	277200100	CTR-24-239	3054916	CTR-24-251	4308935	CTR-24-239
220023785	CTR-36-327	27732-009	CTR-24-263	3055351	CTR-36-327	44A719995-301	CTR-12-106
220023787	CTR-24-272	2774269	CTR-24-239	3055429	CTR-24-266	4911084	CTR-36-327
220023789	CTR-24-272	277443800	CTR-24-239	3056242	CTR-24-272	4915842	CTR-24-286
220024945	CTR-36-315	2775252	CTR-24-206	3057078	CTR-24-278	4915842-GE	CTR-24-286
220025598	CTR-24-251	27770-004	CTR-24-272	3057743	CTR-24-280	4967344	CTR-24-272
220027142	CTR-12-106	2780471	CTR-24-239	3058134	CTR-24-272	4967616	CTR-24-272
220027487	CTR-24-286	27922	CTR-24-239	3067348	CTR-24-239	4967618	CTR-24-272
220037743	CTR-24-280	2793494	CTR-48-403	3121374	CTR-24-322	4968097	CTR-24-272
220038134	CTR-24-272	2793495	CTR-48-403	3130839	CTR-24-272	4974246	CTR-24-272
220042734	CTR-12-127	2798031	CTR-24-239	3131030	CTR-24-251	501175502	CTR-24-251
220043380	CTR-24-239	2800M611AA12A	CTR-12-130	3132174	CTR-36-321	5012272-49	CTR-24-272
2200437-08	CTR-24-242	2800M611AA12B	CTR-12-130	3132176	CTR-24-263	501227249	CTR-24-272
220043708	CTR-24-242	2800M611AD12B	CTR-12-130	3132180	CTR-24-272	503808505	CTR-24-322
220051489	CTR-36-342	2819389	CTR-24-239	3132184	CTR-24-266	5040587-60	CTR-24-245
220051490	CTR-36-342	282-35025	CTR-24-245	3132185	CTR-36-327	5040587-66	CTR-24-200
220051977	CTR-36-321	2822644	CTR-24-200	3132187	CTR-24-272	504058760	CTR-24-245
2200521-76	CTR-24-200	2852420	CTR-24-239	3132189	CTR-24-272	504058766	CTR-24-200
220052176	CTR-24-200	28828-262	CTR-36-342	3134043	CTR-12-106	504058769	CTR-24-212
220073460	CTR-24-272	28829-249	CTR-24-263	3135613	CTR-24-260	504224280	CTR-24-266
220073623	CTR-36-321	28841-654	CTR-24-266	3142734	CTR-12-127	5042272-49	CTR-24-272
220075798	CTR-24-239	289341	CTR-24-263	3143380	CTR-24-239	504227249	CTR-24-272
2304617	CTR-24-227	29057	CTR-24-239	3143708	CTR-24-239	5042332-61	CTR-36-309
2305835	CTR-24-251	29330-31K60	CTR-24-218	339196	CTR-36-342	504233261	CTR-36-309
2305906	CTR-24-278	29340-31K00	CTR-48-406	346919	CTR-36-342	504641505	CTR-24-322
2307385	CTR-24-218	29340-31K10	CTR-48-406	3484400	CTR-48-403	5047365-01	CTR-24-239
2307724	CTR-24-248	29350-31K10	CTR-48-400	349975	CTR-12-100	504736501	CTR-24-239
2310977	CTR-24-280	29350-31K60	CTR-24-304	349976	CTR-24-200	504736505	CTR-24-239
2311095	CTR-24-218	29350-32K00	CTR-48-403	349978	CTR-12-115	504736506	CTR-12-103
2311715	CTR-12-106	29370-31K60	CTR-24-295	349979	CTR-24-212	5047375-02	CTR-36-309
2311848	CTR-24-275	216136	CTR-24-319	372055	CTR-24-239	504737501	CTR-24-218

CONTACTOR CROSS REFERENCE

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OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#
504737502	CTR-36-306	580001239	CTR-24-200	800064630	CTR-24-239	826031	CTR-12-115
504737503	CTR-12-112	580002148	CTR-24-218	800064633	CTR-24-295	826032	CTR-24-212
504737504	CTR-12-112	580007127	CTR-24-200	800064638	CTR-12-106	828-26003	CTR-12-103
504737505	CTR-24-218	580010744	CTR-24-218	800064639	CTR-24-251	828-26004	CTR-12-100
5049075-01	CTR-24-212	580026568	CTR-36-300	800075233	CTR-24-278	828-35027	CTR-24-239
5049075-02	CTR-36-303	580026569	CTR-36-309	800075255	CTR-36-300	828-36002	CTR-24-200
504907501	CTR-24-212	580028313	CTR-24-200	800075317	CTR-12-115	828-36003	CTR-24-203
504907502	CTR-36-303	7000084	CTR-36-318	800075380	CTR-24-224	828-36408	CTR-24-212
504907503	CTR-24-212	7000803	CTR-36-330	800075381	CTR-24-230	828-37023	CTR-24-218
5049085-01	CTR-24-253	7000804	CTR-36-318	800075382	CTR-24-221	828-46413	CTR-36-303
504908501	CTR-24-253	7001611	CTR-12-124	800075413	CTR-36-339	828-47003	CTR-36-306
504908502	CTR-36-300	7001612	CTR-12-130	800075414	CTR-24-313	83872	CTR-24-257
504908504	CTR-24-200	7001613	CTR-24-316	800075415	CTR-24-275	83873	CTR-24-263
5050755-06	CTR-24-272	7001614	CTR-12-127	800075417	CTR-24-307	84652	CTR-36-318
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505075522	CTR-24-272	7001617	CTR-12-118	800075426	CTR-24-292	850-136-722-01	CTR-24-269
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5051755-01	CTR-12-106	7001627	CTR-24-272	800076494	CTR-24-257	87155	CTR-36-321
5051755-02	CTR-24-248	7001642	CTR-12-100	800076732	CTR-12-124	8730634	CTR-24-272
5051755-03	CTR-24-251	7001647	CTR-24-239	800076733	CTR-12-127	8730877	CTR-36-327
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505175503	CTR-24-251	7001654	CTR-24-212	800081887	CTR-12-121	90304	CTR-12-118
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5187906-19	CTR-24-245	701BD308X0	CTR-36-321	800081963	CTR-36-330	905310	CTR-36-342
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5198326-07	CTR-24-280	702BD307X0	CTR-36-330	800082012	CTR-24-266	906751	CTR-36-321
5198326-09	CTR-24-283	702BE308X0	CTR-36-318	800082013	CTR-36-327	908248	CTR-24-257
519832602	CTR-24-280	703058	CTR-12-100	800082018	CTR-24-272	910303	CTR-36-312
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520293803	CTR-24-253	800000539	CTR-48-400	800130887	CTR-24-260	912365	CTR-24-266
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580001238	CTR-24-200	800064629	CTR-12-103	826029	CTR-24-200	93574	CTR-24-319

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93575	CTR-24-316	CT232E3A	CTR-24-319	CT900-12	CTR-12-100	GA150AH124	CTR-24-266
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9701GDX	CTR-36-321	CT235-36	CTR-36-342	CT910-24	CTR-24-212	GA15FR124XN	CTR-24-272
9701HDX	CTR-36-321	CT235A36	CTR-36-345	CT920-24	CTR-24-239	GA304FR124XN	CTR-24-272
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97124-02800	CTR-24-266	CT236S3A	CTR-24-286	CT930-24	CTR-24-251	IC2800M610P12A	CTR-12-121
9712402600	CTR-24-272	CT237S3A	CTR-24-260	CT932-24	CTR-24-200	IC2800M610P13A	CTR-24-286
9712402800	CTR-24-266	CT291-24	CTR-24-322	CT933-36	CTR-36-312	IC2800M610P17A	CTR-36-342
9763539	CTR-24-200	CT5007-24	CTR-24-224	CT937-24	CTR-24-251	IC2800M610S12A	CTR-12-118
97C57-01100	CTR-24-272	CT5008-24	CTR-24-283	CT951-24	CTR-24-239	IC2800M610S13A	CTR-24-260
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99324	CTR-24-280	CT520-24	CTR-24-239	CT967-24	CTR-24-272	IC2800M611AA12A	CTR-12-130
993776	CTR-24-319	CT521-24	CTR-24-278	CT969-24	CTR-24-272	IC2800M611AA12B	CTR-12-130
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995666	CTR-24-319	CT523-36	CTR-36-333	CT975-36	CTR-36-327	IC2800M611AC12A	CTR-12-127
99702EDX	CTR-24-257	CT526-48	CTR-48-403	CT978-24	CTR-24-251	IC2800M611AC13A	CTR-24-319
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998674	CTR-36-327	CT530-24	CTR-24-251	CT984-24	CTR-24-239	IC2800M611AD12B	CTR-12-130
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APIE-2051	CTR-36-321	CT575-24	CTR-24-215	DC182-431	CTR-24-233	IC4482CTSA080B124GA	CTR-24-239
APIE-2056	CTR-24-260	CT579-24	CTR-24-298	DC182-440L	CTR-24-221	IC4482CTSA080B224GA	CTR-24-239
APIE-4048	CTR-12-100	CT580-24	CTR-24-218	DC182-440L	CTR-24-221	IC4482CTSA080B324GA	CTR-24-239
APIE-4079	CTR-24-200	CT581-24	CTR-24-304	DC182-453	CTR-24-227	IC4482CTSA080B024AA	CTR-24-239
APIE-4109	CTR-48-403	CT582-48	CTR-48-406	DC182-48SPECIAL	CTR-48-406	IC4482CTSA088B012AA	CTR-12-106
B-27100-02	CTR-24-257	CT583-48	CTR-48-400	DC182-618	CTR-24-230	IC4482CTSA088B024AA	CTR-24-251
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B-27140-40	CTR-24-272	CT591-24	CTR-24-212	DC182B-103	CTR-48-406	IC4482CTSA088B212BA	CTR-12-106
C-39073-12	CTR-24-257	CT595-48	CTR-36-324	DC182EE-454	CTR-24-310	IC4482CTSA100B012AA	CTR-12-100
C39064-2	CTR-24-212	CT597-36	CTR-36-306	DC182EE-455	CTR-24-307	IC4482CTSA100B024AA	CTR-24-200
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CT231D2B	CTR-12-130	CT840-24	CTR-24-310	DS227210	CTR-24-269	IC4482CTTA150AH124XN	CTR-24-266
CT231D3AM	CTR-24-316	CT844-24	CTR-24-313	FA72E2-65012	CTR-24-272	IC4482CTTA150AH136XN	CTR-36-327
CT231E2A	CTR-12-127	CT845-36	CTR-36-339	GA-080B224GA	CTR-24-278	IC4482CTTA154FR1	CTR-24-272
CT232D3A	CTR-24-316	CT847-24	CTR-24-292	GA080B224GA	CTR-24-278	IC4482CTTA154FR124XN	CTR-24-272



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IC4482CTTA154FR3	CTR-24-272	SW180B-195	CTR-36-300	SW200-359	CTR-24-218	SW88B-104L	CTR-24-251
IC4482CTTA158FR1	CTR-24-272	SW180B-205	CTR-48-403	SW200-36	CTR-36-306	SW88B-27	CTR-24-251
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L7915692009	CTR-24-239	SW180B-48	CTR-36-300	SW200-487	CTR-24-218		
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LW8400604	CTR-24-239	SW180EE-374L	CTR-36-339	SW200B-12	CTR-12-112		
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P102-1212	CTR-12-115	SW180L-24	CTR-24-253	SW200B-48	CTR-48-400		
P102-1224	CTR-24-212	SW180L-326	CTR-24-253	SW200N-12	CTR-12-112		
P102-1812	CTR-12-115	SW180L-36	CTR-36-300	SW200N-232	CTR-24-218		
P102-1824	CTR-24-212	SW180L-36/48	CTR-36-300	SW200N-24	CTR-24-218		
P102-6022	CTR-24-278	SW180L-48	CTR-36-300	SW200N-36	CTR-36-306		
P102-8036	CTR-36-300	SW182-1	CTR-12-115	SW200N-48	CTR-48-400		
P102-8048	CTR-48-403	SW182-102	CTR-24-212	SW200N-482	CTR-24-218		
P102-8812	CTR-12-106	SW182-12	CTR-12-115	SW202-158	CTR-36-324		
P102-8824	CTR-24-251	SW182-120L	CTR-36-303	SW202EE-185	CTR-24-292		
P107-0105	CTR-24-263	SW182-120L	CTR-36-303	SW71-11B	CTR-24-236		
P107-0106	CTR-36-330	SW182-18	CTR-24-212	SW80-1	CTR-24-239		
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QU-A701BE305X0	CTR-24-263	SW182-232	CTR-12-115	SW80-113L	CTR-24-289		
QU-ICOM61112A	CTR-12-124	SW182-24	CTR-24-212	SW80-12	CTR-12-103		
QU-ICOM611AA13A	CTR-24-316	SW182-241L	CTR-24-212	SW80-24	CTR-24-239		
QU-ICOM611AC12A	CTR-12-127	SW182-3	CTR-24-212	SW80-277	CTR-12-103		
QU-ICOM611AC13A	CTR-24-319	SW182-36/48	CTR-36-336	SW80-278	CTR-24-239		
RA1-105-216	CTR-24-239	SW182-4	CTR-24-212	SW80-284	CTR-24-245		
RL-C25136011-00	CTR-24-218	SW182-427	CTR-24-212	SW80-3	CTR-12-103		
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SW180-3	CTR-24-200	SW190B-3	CTR-24-304	SW80B-462	CTR-24-242		
SW180-326L	CTR-24-209	SW200-12	CTR-12-112	SW82-126	CTR-24-298		
SW180-327	CTR-24-206	SW200-2	CTR-24-218	SW82-148L	CTR-24-295		
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SW180-36/48	CTR-36-300	SW200-24	CTR-24-218	SW88-101	CTR-12-106		
SW180-395	CTR-12-100	SW200-281	CTR-24-218	SW88-101L	CTR-12-106		
SW180-398L	CTR-36-300	SW200-283	CTR-36-306	SW88-12	CTR-12-106		
SW180-39BL	CTR-36-300	SW200-312	CTR-48-400	SW88-125L	CTR-12-106		
SW180-4	CTR-24-203	SW200-317	CTR-36-306	SW88-24	CTR-24-251		
SW180-48	CTR-36-300	SW200-329	CTR-36-333	SW88-3	CTR-12-106		
SW180-594	CTR-24-200	SW200-337	CTR-12-112	SW88-67	CTR-12-106		

					
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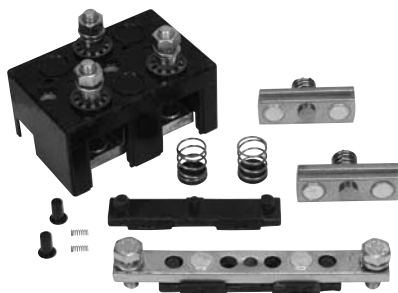
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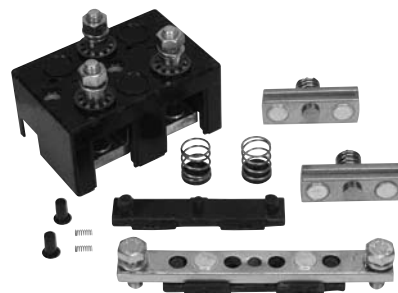
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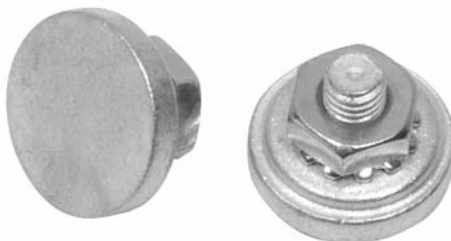
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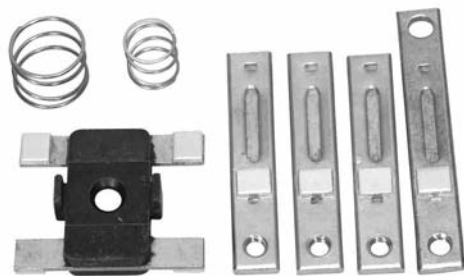
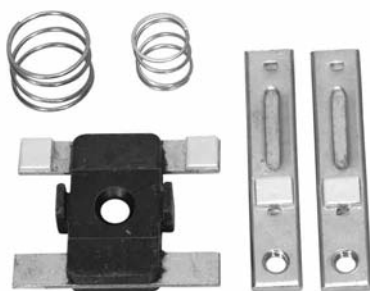
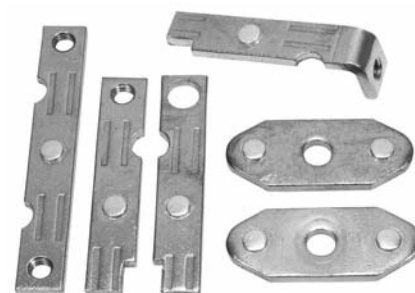
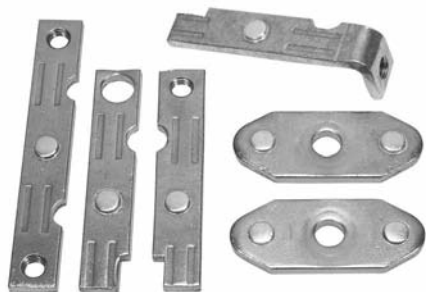
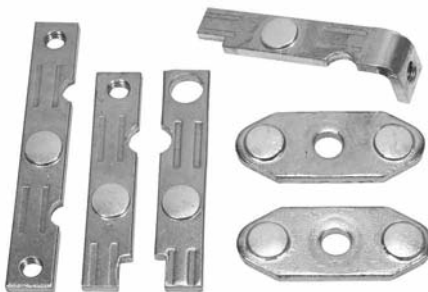
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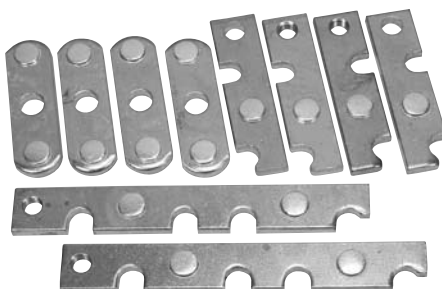

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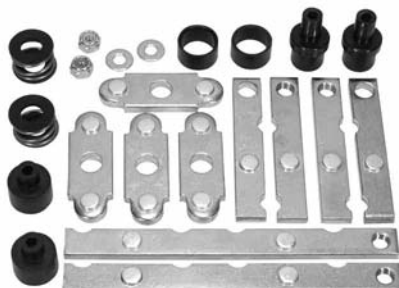
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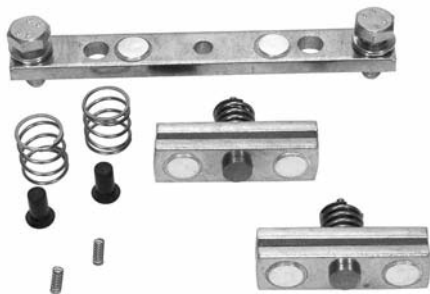
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CONTACT KITS CROSS REFERENCE

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00591-39651-81	KIT-3116	1009541	KIT-3038	120710	KIT-3108	1811080	KIT-3016
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1-105-031-03	KIT-3014	117153	KIT-2986	154008740412	KIT-3052	220020232	KIT-2990
1-105-032-10	KIT-3014	117157	KIT-2988	154008740414	KIT-3036	220021935	KIT-3088

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OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#
2200226-25	KIT-2988	296321381	KIT-3106	379-6061	KIT-3062	5197398-48	KIT-2994
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2200226-27	KIT-2994	2963214-12	KIT-2984	379-6788	KIT-3116	5197398-61	KIT-2986
2200226-28	KIT-2982	296321410	KIT-2978	379-8067	KIT-3108	5197398-68	KIT-2990
220022625	KIT-2988	296321412	KIT-2984	379-8233	KIT-3088	519739821	KIT-3106
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29358-2K000	KIT-3114	378547	KIT-3074	517090811	KIT-3010	7003210	KIT-3026
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OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#
800036454	KIT-3112	97108-02400	KIT-3102	K-154FR124XN	KIT-3024		
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835896	KIT-3054	996111	KIT-3028	RA1-105-111-01	KIT-3032		
843	KIT-3108	996112	KIT-3088	RA1-105-112-1	KIT-3034		
850-136-702-03	KIT-3038	996113	KIT-3060	RA154008740414	KIT-3036		
8730647	KIT-3088	996115	KIT-3084	RA85013670203	KIT-3038		
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883707	KIT-3040	D700916	KIT-3100	SY813006	KIT-3104		
883708	KIT-3040	D700923	KIT-3102	SY86178	KIT-3038		
884172	KIT-3004	DC182L-SKD	KIT-3098	SY88297	KIT-3098		
884417	KIT-3040	DS223295	KIT-3050	SY88316	KIT-3114		
884488	KIT-3040	DS226687	KIT-3080	SY88317	KIT-3112		
88856	KIT-3042	DS226835	KIT-3038				
88856	KIT-3042	DS232734	KIT-3050				
897966	KIT-3044	EV-100-30-KIT	KIT-2998				
907744	KIT-3010	EV-100-60-KIT	KIT-3000				
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910261	KIT-3010	G44A723558001	KIT-3076				
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913719	KIT-3004	GEC74	KIT-3040				
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914761	KIT-3024	HT-1033	KIT-3104				
915998	KIT-3082	HT-1064	KIT-3098				
918779	KIT-3086	HT-1068	KIT-3114				
918780	KIT-3102	HT-1069	KIT-3112				
919410	KIT-3088	HT-1090	KIT-3106				
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925802	KIT-3116	HT-1191	KIT-3034				
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928941	KIT-3080	HT-1259	KIT-3106				
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MS-40



MS-46



MS-52



MS-54



MS-58



MS-66



MS-78



MS-82



MS-86



MS-90



MS-92



MS-94



MS-100



MS-102



MS-106



MS-112



MS-120



MS-124



MS-130



MS-134

			
MS-136	MS-140	MS-150	MS-152
			
MS-166	MS-170	MS-174	MS-184
			
MS-192	MS-202	MS-206	MS-216
			
MS-234	MS-236	MS-238	MS-242

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OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#
00305	MS-78	074028-1	MS-236	1194848	MS-102	20479-00	MS-94
00590-00383-71	MS-82	075198	MS-102	1194849	MS-102	215930	MS-66
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00591-02396-81	MS-46	080365	MS-140	125192	MS-78	220003207	MS-66
00591-05049-81	MS-66	082068	MS-238	1297270-54	MS-54	220005904	MS-78
00591-06516-81	MS-82	0821-6100	MS-78	129727054	MS-54	220006097	MS-52
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00591-06518-81	MS-78	0821-F465	MS-82	130091	MS-82	220012831	MS-86
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00591-41785-81	MS-78	087373	MS-40	1310067	MS-184	220029274	MS-78
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00591-57477-81	MS-46	1-150-034	MS-102	144198	MS-54	220053728	MS-78
00591-62171-81	MS-78	1-150-037	MS-124	150-324	MS-82	2302249	MS-78
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01361510F	MS-40	1-150-320	MS-78	150112530	MS-134	23040-00	MS-90
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0136151FA	MS-40	1-150-322	MS-102	15420-012	MS-86	2307677	MS-82
0158043-00	MS-102	1-150-323	MS-124	154420-012	MS-86	2309240	MS-78
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015804500	MS-102	1009548	MS-102	175806811	MS-112	24421-1117171	MS-46
0273738	MS-52	1009549	MS-124	1774973	MS-52	25035	MS-78
0279014	MS-54	1009550	MS-82	177MBH1	MS-40	25220-L4500	MS-124
0324895	MS-78	100995	MS-82	177MJH1	MS-82	25500-F9701	MS-46
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0334218	MS-52	105861	MS-242	1819481	MS-94	27117-003	MS-54
0384312	MS-52	106385	MS-66	1820842	MS-78	27140-053	MS-54
0393-2160	MS-82	106944	MS-40	20-7301797	MS-52	27142-64001	MS-130
0393-2650	MS-78	106994	MS-40	20-7301799	MS-52	27142-64002	MS-130
0398825	MS-78	107738	MS-238	2000265	MS-78	27350-006	MS-102
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062683	MS-136	1144198	MS-54	201639	MS-78	2742511	MS-78
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073624	MS-40	115017	MS-236	20323-00	MS-106	2756080	MS-106
074027	MS-236	117957	MS-78	203467	MS-54	2756314	MS-78
074027-01	MS-236	118016	MS-78	2037378	MS-78	27769-001	MS-54
074027-02	MS-236	118017	MS-78	2037379	MS-78	278458	MS-174
074028-001	MS-236	118901	MS-66	2037415	MS-78	279014	MS-54

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OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#
2795597	MS-184	3057595	MS-184	393-9901	MS-52	5195153-01	MS-184
2803519	MS-184	3057742	MS-82	393-9980	MS-46	5195153-02	MS-184
2809520	MS-170	3057745	MS-94	398825	MS-78	519515301	MS-184
2815186	MS-202	305913-209	MS-78	3BA-57-23610	MS-40	519515302	MS-184
2815301	MS-106	3060996	MS-124	3C0780	MS-106	5196178-10	MS-78
2850048	MS-54	3131049	MS-86	41-25006	MS-82	519617810	MS-78
2850454	MS-90	3132339	MS-82	41-25013	MS-82	5200438-08	MS-192
2851519	MS-90	3132340	MS-52	41148-00	MS-78	520043808	MS-192
28841-276	MS-78	3137274	MS-78	4235833	MS-54	54600-10330-71	MS-124
28841-330	MS-40	3138452	MS-66	42539	MS-58	549-GS-92-B	MS-102
29000465-00	MS-40	3143325	MS-82	444018	MS-100	56400-10330-71	MS-124
29052	MS-90	316054	MS-102	444113	MS-66	57410-11170-71	MS-46
29385	MS-90	316055	MS-102	45165-81100-71	MS-82	57410-11340-71	MS-124
215930	MS-66	316056	MS-120	4778736	MS-40	57420-11170-71	MS-46
2RVA2	MS-106	319033	MS-40	4795031	MS-40	57420-21540-71	MS-86
3007409	MS-78	324187	MS-120	4798071	MS-40	57420-21570-71	MS-86
3007410	MS-150	324895	MS-78	47980714	MS-40	57430-11340-71	MS-124
3007411	MS-82	324985	MS-78	4801452	MS-120	57460-12900-71	MS-124
3007411-GE	MS-82	33-12103	MS-82	4814816	MS-78	5800047-04	MS-78
3007412	MS-124	33-12109	MS-78	4814916	MS-78	5800047-05	MS-78
3008362	MS-52	334204	MS-54	4816672	MS-112	580004704	MS-78
3008373	MS-120	334218	MS-52	4862172	MS-90	580004705	MS-78
3008400	MS-90	33511-11470-71	MS-102	4931449	MS-124	5800108-61	MS-134
3008402	MS-52	33511-12950-71	MS-52	4932316	MS-102	580010861	MS-134
3008403	MS-82	33512-11470-71	MS-102	4932323	MS-90	5800721-28	MS-106
3008403-GE	MS-82	33517-10850-71	MS-102	4970413	MS-124	580072128	MS-106
3008475	MS-102	33518-10850-71	MS-102	5002051-00	MS-82	590-018	MS-106
3008476	MS-86	335213	MS-86	500205100	MS-82	590-019	MS-106
3008482	MS-102	33531-10260-71	MS-52	5007428-00	MS-102	590-023	MS-82
3008483	MS-46	336130	MS-40	500742800	MS-102	590-042	MS-106
3008484	MS-78	344644	MS-106	5037812-00	MS-78	590-044	MS-106
3008495	MS-106	34B-55-23610	MS-40	5037812-01	MS-78	590-057	MS-120
300905	MS-40	34B-57-23610	MS-40	503781200	MS-78	590-058	MS-82
3012336	MS-66	355383	MS-202	503781201	MS-78	590-060	MS-120
3012351	MS-102	3655402005	MS-112	5040697-03	MS-152	590-061	MS-102
3012366	MS-66	367389	MS-106	504069703	MS-152	590-070	MS-124
3012802	MS-102	368798	MS-54	5042272-84	MS-78	590-080	MS-150
3013965	MS-216	373605	MS-94	504227284	MS-78	590-096	MS-78
3016151	MS-40	3736759	MS-184	5042282-23	MS-94	590-57	MS-40
3016164	MS-78	3738585	MS-106	5042282-95	MS-202	600287100	MS-82
3018427	MS-78	374159	MS-206	504228223	MS-94	60302	MS-40
3020121	MS-184	3788232	MS-184	504228295	MS-202	6136151-0F	MS-40
3025474	MS-102	3790300	MS-106	5044497-57	MS-120	6136151-FA	MS-40
3030278	MS-86	3798245	MS-106	504449757	MS-120	61361510N	MS-40
3031343	MS-150	384312	MS-52	5059675-85	MS-112	6202871-00	MS-82
303216	MS-120	392269	MS-140	505967585	MS-112	6202871-01	MS-82
3032406	MS-52	393-1013	MS-78	5118728-04	MS-54	620287100	MS-82
3046525	MS-90	393-2160	MS-82	511872804	MS-54	620287101	MS-82
3049726	MS-184	393-2167	MS-86	5148261-00	MS-40	62028710A	MS-82
3050848	MS-120	393-2172	MS-82	514826100	MS-40	62028710A	MS-82
3052639	MS-54	393-2603	MS-52	5152921-00	MS-40	6252591	MS-54
3052977	MS-78	393-2650	MS-78	515292100	MS-40	62683	MS-136
3054055	MS-78	393-2931	MS-78	5170858-04	MS-78	6900124	MS-54
3056417	MS-78	393-8125	MS-66	517085804	MS-78	6G4195	MS-106

MICRO SWITCHES CROSS REFERENCE

380

OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#
7004041	MS-40	851519	MS-90	A27350-6	MS-150	SW-1253	MS-46
7004053	MS-78	852631	MS-90	A27769-1	MS-54	SW-1283	MS-66
7004095	MS-112	85679	MS-242	A49965	MS-40	SW-1500	MS-46
7004096	MS-92	86221	MS-112	APIE-1037	MS-78	SW-1584	MS-52
7004125	MS-120	87363	MS-40	APIE-1111	MS-78	SW-1666	MS-78
7004158	MS-120	87373	MS-40	APIE-1146	MS-52	SW-286	MS-52
7004212	MS-192	881720	MS-150	B-27140-53	MS-54	SW-32	MS-82
7004224	MS-106	88294	MS-166	B27140-53	MS-54	SW-33	MS-82
7004236	MS-112	891788	MS-150	BZ2RQ13A2	MS-82	SW-342	MS-82
7004245	MS-124	89362	MS-66	BZ2RQ181A2	MS-86	SW-344	MS-82
7004253	MS-40	898122	MS-150	BZ2RQ1A2	MS-82	SW-353	MS-52
709677	MS-40	898583	MS-140	DS223804	MS-102	SY31819	MS-78
710194	MS-78	900-003-280	MS-120	DS223805	MS-78	SY40470	MS-86
72007	MS-58	900347	MS-90	DS226131	MS-102	SY41794	MS-46
7212603-01	MS-102	903127	MS-54	DS226498	MS-82	SY47503	MS-82
7212603-03	MS-102	905958	MS-78	IE-1037	MS-78	SY47504	MS-52
721260301	MS-102	906619	MS-40	IE-1111	MS-78	SY47505	MS-78
721260303	MS-102	906865	MS-54	IE-1146	MS-52	SY83236	MS-66
7220891-00	MS-134	907310	MS-54	IE-1150	MS-78	T29-465	MS-40
722089100	MS-134	908317	MS-106	IE-1216	MS-86		
73289	MS-102	908450	MS-40	L0009733004	MS-92		
73502	MS-102	911094	MS-78	L0175806811	MS-112		
73624	MS-40	919033	MS-40	L0181016886	MS-90		
74027	MS-236	921-000-222	MS-78	L028664	MS-234		
74028	MS-236	921-000-223	MS-102	L1016886	MS-90		
74028-001	MS-236	921-000-224	MS-102	L1016886-01	MS-90		
74028-1	MS-236	921-000-254	MS-82	L1038517001	MS-90		
75198	MS-102	92459	MS-242	L1042763001	MS-90		
75775	MS-120	93747	MS-216	L3655402005	MS-112		
77656	MS-82	972065	MS-102	LF021874	MS-102		
777623	MS-102	972189	MS-40	LF9452154	MS-90		
783932	MS-102	972328	MS-82	LST503763	MS-90		
7870-30-7120	MS-102	973019	MS-78	MCF00311	MS-40		
7870-30-7210	MS-102	9733014	MS-112	MCF00313	MS-40		
78927	MS-102	973798	MS-202	MCF00448	MS-106		
79133	MS-58	97704-02200	MS-124	MR-15800A	MS-54		
800026598	MS-78	97704-02201	MS-124	MR1S800A	MS-54		
800031349	MS-82	97704-02202	MS-124	MS-190	MS-78		
800031350	MS-52	97C41-01800	MS-124	MS-7010	MS-40		
800031351	MS-78	985383	MS-82	MS-7012	MS-124		
800034424	MS-78	985402	MS-40	MS-7014	MS-106		
800065024	MS-86	985838	MS-82	MS-88	MS-102		
800068773	MS-46	98600	MS-52	P20323	MS-106		
800076716	MS-66	986600	MS-82	P20479	MS-94		
800134388	MS-78	991179	MS-82	PAL32A	MS-82		
800134537	MS-82	992567	MS-102	QU161A8598G1	MS-102		
8027922	MS-78	992717	MS-40	QY31900-670	MS-78		
80365	MS-140	994144	MS-52	SM7	MS-82		
82068	MS-238	996101	MS-102	ST503763	MS-90		
82605	MS-102	997030	MS-82	ST522333	MS-90		
82636	MS-238	9I2463	MS-40	SW-1094	MS-86		
83328	MS-100	A-27769-1	MS-54	SW-1097	MS-78		
850048	MS-54	A15420-12	MS-86	SW-1190	MS-78		
850454	MS-90	A154404	MS-106	SW-1226	MS-78		



12 Volt Plastic Body Type

10028


12 Volt Double Pole

3150


12 Volt Single Pole

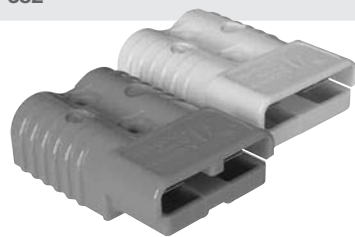
3151

3100 Series = Copper Contacts
3200 Series = Silver Contacts



12V	24V	36V	48V
3178	3179	3180	3181
3249	3250	3251	3252

OEM#	HELMAR#	OEM#	HELMAR#	OEM#	HELMAR#
00590-04565-71	3179 or 3250	238761	3178 or 3249	62113210A	3179 or 3250
00590-43462-71	3179 or 3250	260575	3180 or 3251	71135	3178 or 3249
025-717	3179 or 3250	260576	3180 or 3251	71900	3178 or 3249
0579588-00	3179 or 3250	28700-050	3179 or 3250	73353	3178 or 3249
057958800	3179 or 3250	3001410	3179 or 3250	75587	3178 or 3249
0597634-CB	3179 or 3250	3002600	3179 or 3250	76604	3179 or 3250
0656404-00	3179 or 3250	3002952	3178 or 3249	76804	3179 or 3250
065640400	3179 or 3250	3003159	3178 or 3249	77157	3180 or 3251
071135	3178 or 3249	3013430	3178 or 3249	77157-001	3180 or 3251
071900	3178 or 3249	3014061	3179 or 3250	77157-002	3179 or 3250
073353	3178 or 3249	302266	3178 or 3249	77157-1	3180 or 3251
0742981-00	3180 or 3251	3052337	3178 or 3249	77157-2	3179 or 3250
074298100	3180 or 3251	3053003	3180 or 3251	79549	3178 or 3249
076804	3179 or 3250	308203-000	3179 or 3250	81026	3179 or 3250
077157	3180 or 3251	326994	3179 or 3250	84343	3179 or 3250
077157-001	3180 or 3251	327058	3180 or 3251	850-103-154	3178 or 3249
077157-002	3179 or 3250	4814761	3178 or 3249	893329	3178 or 3249
077157-1	3180 or 3251	4905994	3178 or 3249	896553	3178 or 3249
077157-2	3179 or 3250	4912911	3178 or 3249	89664	3179 or 3250
079549	3178 or 3249	4913135	3179 or 3250	898796	3179 or 3250
081026	3179 or 3250	5012703-01	3178 or 3249	906003	3179 or 3250
084343	3179 or 3250	5012703-04	3178 or 3249	907270	3179 or 3250
089664	3179 or 3250	5012703-05	3179 or 3250	907290	3179 or 3250
094298	3178 or 3249	5012703-06	3180 or 3251	919974	3179 or 3250
094555	3179 or 3250	501270301	3178 or 3249	939-353-034	3179 or 3250
0957643-BB	3179 or 3250	501270304	3178 or 3249	94298	3178 or 3249
0957643-CB	3179 or 3250	501270305	3179 or 3250	94555	3179 or 3250
0957643-CL	3179 or 3250	501270306	3180 or 3251	957643CA	3178 or 3249
1075426	3179 or 3250	5022653-00	3178 or 3249	957643CJ	3178 or 3249
1130189	3179 or 3250	502265300	3178 or 3249	971600	3178 or 3249
116165	3178 or 3249	5026451-00	3179 or 3250	972885	3180 or 3251
1198392	3179 or 3250	502645100	3179 or 3250	989897	3179 or 3250
1198733	3178 or 3249	504231257	3179 or 3250	992418	3178 or 3249
130803	3179 or 3250	5049038-01	3179 or 3250	992777	3179 or 3250
1322354	3178 or 3249	504903801	3179 or 3250	993972	3179 or 3250
1322444	3179 or 3250	5104898-02	3178 or 3249	994686	3179 or 3250
1323703	3179 or 3250	510489802	3178 or 3249	99639	3179 or 3250
13593	3179 or 3250	5112891-00	3178 or 3249	999634	3178 or 3249
13593-000	3179 or 3250	511289100	3178 or 3249	999639	3179 or 3250
1374795	3179 or 3250	5114898-02	3178 or 3249		
1613990	3179 or 3250	511489802	3178 or 3249		
1628551	3178 or 3249	5188188-34	3178 or 3249		
1636581	3180 or 3251	5188188-35	3179 or 3250		
215063	3179 or 3250	518818834	3178 or 3249		
220020167	3179 or 3250	518818835	3179 or 3250		
22226-03	3179 or 3250	560-209-09	3179 or 3250		
22226-3	3179 or 3250	5D12703-05	3179 or 3250		
238754	3179 or 3250	6211321-OA	3179 or 3250		



SB CONNECTOR FAMILY 50 TO 300 AMPS



HOUSING WITH SPRINGS & TWO CONTACTS

50 AMP

6319	#6	Gray
6319G1	#10/12	Gray
6331G1	#6	Red
6331G2	#10/12	Red
6331G10	#10/12	Green
6331G11	#6	Orange
6331G12	#10/12	Orange
6331G3	#6	Black
6331G4	#10/12	Black
6331G5	#6	Blue
6331G6	#10/12	Blue
6331G7	#6	Yellow
6331G8	#10/12	Yellow
6331G9	#6	Green

120 AMP

6800G1	#2	Gray
6800G2	#4	Gray
6800G3	#6	Gray
6801G1	#2	Blue
6801G2	#4	Blue
6801G3	#6	Blue
6802G1	#2	Red
6802G2	#4	Red
6802G3	#6	Red

175 AMP

6325G1	1/0	Gray
AM6325G1 *	1/0	Gray
6325G5	#2	Gray
6325G6	#4	Gray
6326G1	1/0	Blue
AM6326G1 *	1/0	Blue
6326G5	#2	Blue
6326G6	#4	Blue
6327G1	1/0	Orange
6327G5	#2	Orange
6327G6	#4	Orange
6328G1	1/0	Yellow
6328G5	#2	Yellow
6328G6	#4	Yellow
6329G1	1/0	Red
AM6329G1 *	1/0	Red
6329G5	#2	Red
6329G6	#4	Red

350 AMP

6320G1	2/0	Gray
AM6320G1 *	2/0	Gray
6320G2	4/0	Gray
6320G4	300mcm	Gray
6320G5	3/0	Gray

350 AMP

6321G1	2/0	Blue
AM6321G1 *	2/0	Blue
6321G2	4/0	Blue
6321G4	300mcm	Blue
6321G5	3/0	Blue
6322G1	2/0	Red
AM6322G1 *	2/0	Red
6322G2	4/0	Red
6322G4	300mcm	Red
6322G5	3/0	Red
6323G1	2/0	Yellow
6323G2	4/0	Yellow
6323G4	300mcm	Yellow
6323G5	3/0	Yellow
6324G1	2/0	Green
6324G2	4/0	Green
6324G4	300mcm	Green
6324G5	3/0	Green
6400G1	2/0	Orange
6400G2	4/0	Orange
6400G4	300mcm	Orange
6400G5	3/0	Orange

HOUSING WITH SPRINGS

50 AMP

992	Gray
992G1	Red
992G2	Black
992G4	Blue
992G5	Yellow
992G6	Green
992G7	Orange

120 AMP

6810G1	Gray
6810G2	Blue
6810G3	Red

175 AMP

2-7252G11 (no voltage key)	Black
940	Gray
AM940 *	Gray
941	Blue
AM941 *	Blue
942	Orange
943	Yellow
949	Red
AM949 *	Red

350 AMP

2-7250G8 (no voltage key)	Black
906	Gray
AM906 *	Gray
912	Blue
AM912 *	Blue
913	Red
AM913 *	Red
914	Yellow
931	Green
932	Orange



CONTACT SET (2 Contacts)

50 AMP

903G1	#6
904G1	#10/12

120 AMP

6811G1	#2
6811G2	#4
6811G3	#6

175 AMP

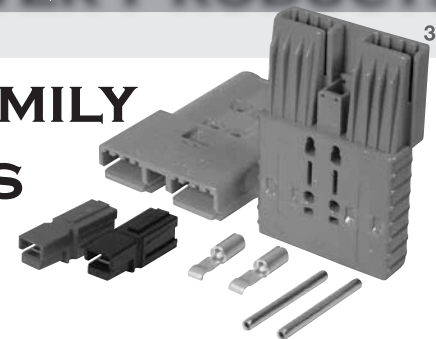
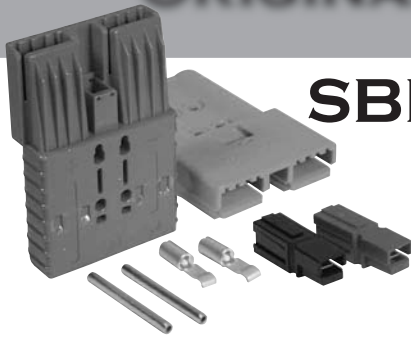
944	1/0
AM944 *	1/0
947	#2
948	#4
948G1	#6

350 AMP

907	2/0
AM907 *	2/0
908	4/0
910	300mcm
916	3/0
917	1/0

* These are aftermarket products.

SBE CONNECTOR FAMILY 160 TO 320 AMPS



HOUSING WITH SPRINGS, TWO CONTACTS & AUXILIARY CONTACTS

160 AMP

E6370G2	35mm	Gray
E6371G2	35mm	Blue
E6372G2	35mm	Orange
E6373G2	35mm	Yellow
E6378G2	35mm	Red
E6387G2	35mm	Green
E6388G2	35mm	Black

320 AMP

E6332G1	2/0	Brown
E6332G2	3/0	Brown
E6332G6		Brown

320 AMP

E6333G1	2/0	Purple
E6333G2	3/0	Purple
E6333G6		Purple
E6340G1	2/0	Gray
E6340G2	3/0	Gray
E6340G6		Gray
E6341G1	2/0	Blue
E6341G2	3/0	Blue
E6341G6		Blue
E6342G1	2/0	Red
E6342G2	3/0	Red
E6342G6		Red

320 AMP

E6343G1	2/0	Green
E6343G2	3/0	Green
E6343G6		Green
E6359G1	2/0	Black
E6359G2	3/0	Black
E6359G6		Black
E6360G1	2/0	Yellow
E6360G2	3/0	Yellow
E6360G6		Yellow
E6368G1	2/0	Orange
E6368G2	3/0	Orange
E6368G6		Orange



HOUSING WITH SPRINGS & TWO CONTACTS

160 AMP

E6374G2	35mm	Gray
E6375G2	35mm	Blue
E6376G2	35mm	Orange
E6377G2	35mm	Yellow
E6379G2	35mm	Red
E6389G2	35mm	Black
E6391G2	35mm	Green

320 AMP

E6334G1	2/0	Brown
E6334G2	3/0	Brown
E6334G6	#2	Brown

320 AMP

E6335G1	2/0	Purple
E6335G2	3/0	Purple
E6335G6	#2	Purple
E6345G1	2/0	Gray
E6345G2	3/0	Gray
E6345G6	#2	Gray
E6346G1	3/0	Blue
E6346G2	3/0	Blue
E6346G6	#2	Blue
E6347G1	2/0	Red
E6347G2	3/0	Red
E6347G6	#2	Red

320 AMP

E6348G1	2/0	Green
E6348G2	3/0	Green
E6348G6	#2	Green
E6363G1	2/0	Black
E6363G2	3/0	Black
E6363G6	#2	Black
E6364G1	2/0	Yellow
E6364G2	3/0	Yellow
E6364G6	#2	Yellow
E6369G1	2/0	Orange
E6369G2	3/0	Orange
E6369G6	#2	Orange

HOUSING WITH SPRINGS

160 AMP

E6380G1	Gray
E6381G1	Blue
E6382G1	Orange
E6383G1	Yellow

160 AMP

E6385G1	Red
E6390G1	Green
E6392G1	Black

320 AMP

E6336	Brown
E6339	Orange
E6349	Purple
E6350	Gray

320 AMP

E6351	Blue
E6352	Red
E6353	Green
E6361	Black
E6362	Yellow



CONTACT SET (2 Contacts)

160 AMP

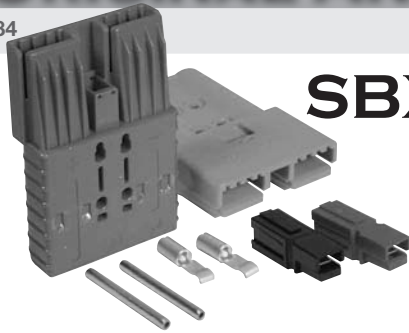
6384G1	1/0
6384G2	35mm

320 AMP

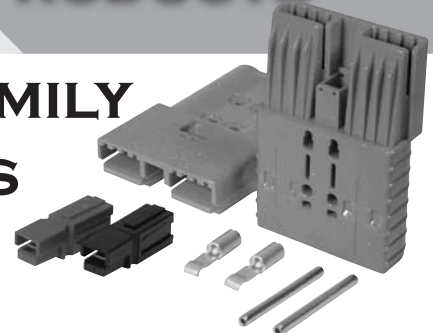
6354	2/0
6355	3/0

320 AMP

6356	4/0
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SBX CONNECTOR FAMILY 175 TO 350 AMPS



HOUSING WITH SPRINGS, TWO CONTACTS & AUXILIARY CONTACTS

175 AMP		
6370G1	1/0	Gray
6370G2	35mm	Gray
6371G1	1/0	Blue
6371G2	35mm	Blue
6372G1	1/0	Orange
6372G2	35mm	Orange
6373G1	1/0	Yellow
6373G2	35mm	Yellow
6378G1	1/0	Red
6378G2	35mm	Red
6387G1	1/0	Green
6387G2	35mm	Green

350 AMP		
6340G1	2/0	Gray
6340G2	3/0	Gray
6340G3	4/0	Gray
6341G1	2/0	Blue
6341G2	3/0	Blue
6341G3	4/0	Blue
6342G1	2/0	Red
6342G2	3/0	Red
6342G3	4/0	Red
6343G1	2/0	Green
6343G2	3/0	Green
6343G3	4/0	Green

350 AMP		
6359G1	2/0	Black
6359G2	3/0	Black
6359G3	4/0	Black
6360G1	2/0	Yellow
6360G2	3/0	Yellow
6360G3	4/0	Yellow
6368G1	2/0	Orange
6368G2	3/0	Orange
6368G3	4/0	Orange



HOUSING WITH SPRINGS & TWO CONTACTS



175 AMP		
6374G1	1/0	Gray
6374G2	35mm	Gray
6375G1	1/0	Blue
6375G2	35mm	Blue
6376G1	1/0	Orange
6376G2	35mm	Orange
6377G1	1/0	Yellow
6377G2	35mm	Yellow
6379G1	1/0	Red
6379G2	35mm	Red
6391G1	1/0	Green
6391G2	35mm	Green

350 AMP		
6345G1	2/0	Gray
6345G2	3/0	Gray
6345G3	4/0	Gray
6345G5	300mcm	Gray
6345G6	35mm	Gray
6346G1	2/0	Blue
6346G2	3/0	Blue
6346G3	4/0	Blue
6346G5	300mcm	Blue
6346G6	35mm	Blue
6347G1	2/0	Red
6347G2	3/0	Red

350 AMP		
6347G3	4/0	Red
6347G5	300mcm	Red
6347G6	35mm	Red
6348G1	2/0	Green
6348G2	3/0	Green
6348G3	4/0	Green
6348G5	300mcm	Green
6348G6	35mm	Green
6363G1	2/0	Black
6363G2	3/0	Black
6363G3	4/0	Black
6363G5	300mcm	Black

350 AMP		
6363G6	35mm	Black
6364G1	2/0	Yellow
6364G2	3/0	Yellow
6364G3	4/0	Yellow
6364G5	300mcm	Yellow
6364G6	35mm	Yellow
6369G1	2/0	Orange
6369G2	3/0	Orange
6369G3	4/0	Orange
6369G5	300mcm	Orange
6369G6	35mm	Orange

HOUSING WITH SPRINGS

175 AMP		
6380G1		Gray
6381G1		Blue
6382G1		Orange

175 AMP		
6383G1		Yellow
6385G1		Red
6390G1		Green

350 AMP		
6339		Orange
6350		Gray
6351		Blue

350 AMP		
6352		Red
6353		Green
6361		Black
6362		Yellow



CONTACT SET (2 Contacts)



175 AMP		
6384G1	1/0	
6384G2	35mm	

350 AMP		
6354	2/0	
6355	3/0	

350 AMP		
6356	4/0	
6358	300mcm	

350 AMP		
6394	35mm	

SB, SBE, SBX, FAMILY CONNECTOR HANDLES



SB® MANUEL RELEASE HANDLES

Part#	Description	Amp
923	Locking Half for Battery	175
924	Mounting Half for Truck or Charger	175
919	Locking Half for Battery	350
919G1	Locking Half for Battery / Cable Clamps	350
922G1	Mounting Half for Truck or Charger	350

SB® “A” FRAME HANDLES

Part#	Amp	Color
SB50-HDL-RED	50	Red
SB120-HDL-RED	120	Red
995G1	175	Gray
995G3	175	Red
995G2	350	Gray
995G4	350	Red

SBE® MANUEL RELEASE HANDLES

Part#	Description	Amp
993G2	Manual release-battery bracket with hardware	160
994G2	Manual release-charger/truck bracket with hardware	160
993G1	Manual release-battery bracket with hardware	320
994G1	Manual release-charger/truck bracket with hardware	320

SBE® “A” FRAME HANDLES

Part#	Amp	Color
995G1	160	Gray
995G2	320	Gray

SBX® MANUEL RELEASE HANDLES

Part#	Description	Amp
993G2	Manual release-battery bracket with hardware	175
994G2	Manual release-charger/truck bracket with hardware	175
993G1	Manual release-battery bracket with hardware	350
994G1	Manual release-charger/truck bracket with hardware	350

SBX® “A” FRAME HANDLES

Part#	Amp	Color
995G1	175	Gray
995G2	350	Gray

CONNECTOR ACCESSORIES

SB®			CABLE CLAMPS			SBE®		
Part#	Description	Amp	Part#	Description	Amp	Part#	Description	Amp
990	Single Conductor Cables with hardware self attaching	50	945G2	Cable clamps-use alone with manual release or "A" frame handle	160			
990G1	Single Conductor Cables with hardware for screw mounting	50	911G2	Cable clamps-use alone with manual release or "A" frame handle	320			
5905	1 Twin Conductor Cable	50						
981G1	2 Single Conductor Cable	120						
945	2 Single Conductor Cable	175						
945G3	2 Single Conductor Cable used with "A" Frame Handle Only	175						
946G1	1 Twin Conductor Cable used with or without "A" Frame Handle Only	175						
996G1	2 Single Conductor Cable used with or without "A" Frame Handle Only	350						
911	2 Single Conductor Cable with hardware	350						

SBX®

Part#	Description	Amp
945G2	Cable clamps-use alone with manual release or "A" frame handle	175
911G2	Cable clamps-use alone with manual release or "A" frame handle	320

REDUCING BUSHING

SB®			SBE®			SBX®		
Part#	AWG	Amp	Part#	AWG	Amp	Part#	AWG	Amp
5912	#6 to #8	50	5687	1/0 to #1	160	5687	1/0 to #1	175
5910	#6 to #10 #12	50	5690	1/0 to #2	160	5690	1/0 to #2	175
5913	#6 to #14 #16	50	5693	1/0 to #4	160	5693	1/0 to #4	175
5919	#2 to #4	120	5663	1/0 to #6	160	5663	1/0 to #6/8	175
5921	#2 to #8	120	5648	1/0 to #10	160	5648	1/0 to #10	175
5687	1/0 to #1	175	5687	1/0 to #1	320	5918	2/0 to 1/0	350
5690	1/0 to #2	175	5690	1/0 to #2	320			
5693	1/0 to #4	175	5693	1/0 to #4	320			
5648	1/0 to #10	175	5663	1/0 to #6	320			
5663	1/0 to #6	175	5648	1/0 to #10	320			
5918	2/0 to 1/0	350	5918	2/0 to 1/0	320			
			5920	35 to 16mm	320			

MISCELLANEOUS PARTS

SB®		SBE®		SBX®	
50 AMP		160 AMP		175 AMP	
134G1	Dust Cover-Red	6344	Auxiliary Contact Kit	6344	Auxiliary Contact Kit
175 AMP		6337G1	Charger Key Kit	6367G1	Pin/Tube Kit #16/12 for battery pin
110G56	Keeps nut for use with bus bar contact	6367G1	Pin/Tube Kit for battery pin	6337G1	Charger Key
SB175-lockout	Safety lockout	6366G2	Pin/Tube Kit #6/#12 For charger & truck-tube	6367G1	Charger Key & socket
111197	Charger Key Kit				
134G2	Dust cover				
350 AMP		320 AMP		350 AMP	
111197G1	Charger Key Kit	6367G1	Pin/Tube Kit #6/#12 for battery -pin	6305G1	Auxiliary Contact Kit
134G3	Dust Cover	6366G2	Pin/Tube Kit #6/#12 for charger & truck tube	6310G1	Auxiliary Contact Kit
SB350-lockout	Safety lockout	6305G1	Auxiliary Contact Kit	6337G1	Charger Key Kit
		6310G1	Auxiliary Contact Kit	6366G2	Charger Key & Socket

ELECTRIC FUEL GAUGE AND BATTERY CONTROLLER

MODEL 933/3D



DESCRIPTION: Curtis Model 933/3D is a battery “fuel” gage and controller with lift lockout and adjustable reset and discharge settings. These proven instruments, with more than a half-million units installed, feature a rugged aluminum controller for reliable operation, even in the most severe conditions.

APPLICATION: The Curtis Model 933/3D prolongs battery life and protects vehicle components from the effects of deep discharge in material handling and other battery powered industrial vehicles.

FEATURES:

- Flashing red LED signals “energy reserve” warning at 75% discharge.
- At 80% discharge this instrument locks out the lift coil circuit on industrial lift trucks and provides optional warning signals in other vehicles.
- If 80% discharge is reached during a lift, the lift is completed before the lift circuit is locked out.
- Recognizes improperly charged battery.

- Non-volatile memory (EEPROM) retains “state-of-charge” level memory when external power is removed.
- Adjustable reset level and discharge profile (lockout point). (Factory settings are: Reset level at 2.09VPC. Lockout at 1.73VPC).
- Controller is easy to install and mounts to body of truck with two 1/4” bolts. The gage is installed in the dash in a standard 2-1/16” round cut-out.



Battery Capacity Gauge

13260

Battery Capacity Gauge

1156-E2448

Guard, Meter Lens

13210

Battery Controller & Electric Fuel Gauge	Battery Controller	Battery Capacity Gauge
933-3-24V	933-3D24	13260
933-3-2436V	933-3D2436	1156-E2448
933-3-36V	933-3D36	
933-3-3648V	933-3D3648	Guard, Meter Lens
933-3-48V	933-3D48	13210

ELECTRIC FUEL GAUGE & BATTERY CONTROLLER CROSS REFERENCE

BAKER	CROWN	RAYMOND	TOYOTA
L0009460733 933-3-24V	111572 13260	870-221 13260	00591-09209-81 933-3D48
L0009460734 933-3-48V	92592 13260	870-228-007 933-3D2436	00591-42714-81 13260
L1054996001 13260	92593 933-3D24	870-229 13260	
	92594 933-3D36	870-241 13260	
		870-242 1156-E2448	
BARRETT	HYSTER	TOYOTA	YALE
27522-005 933-3-12V	368591 13260	00590-00524-81 933-3D2436	7511284-03 13260
27522-008 933-3-24V	339050 13260	00591-07758-81 13260	7511284-04 933-3-24V
27522-008A 933-3D24		00591-09200-81 933-3-24V	7511284-10 933-3-12V
27522-008B 13260		00591-09201-81 933-3-3648V	
27522-009 933-3-12V		00591-09202-81 933-3-36V	
27522-8B 13260		00591-09203-81 933-3-48V	
CLARK	MITSUBISHI CATERPILLAR		
2377939 13260	1009517 933-3D2436	00591-09206-81 933-3D24	
2381981 933-3D24	1032292 13260	00591-09207-81 D933-3D36	
2392361 933-3-36V	217956 13260	00591-09208-81 933-3D3648	
	905159 13260		

MOTOR SPEED CONTROLLERS - 1200 SERIES

DESCRIPTION: Curtis PMC Models 1204/1205 are power MOSFET electronic motor speed controllers designed to provide smooth, silent, efficient and cost effective speed, torque and braking control.

MODEL 1204/1205



CURTIS PMC MODELS	VOLTAGE (volts)	1 min RATING (amps)	5 min RATING (amps)	1 hr RATING (amps)	VOLTAGE DROP @ 100A (volts)	UNDERVOLT CUTBACK (volts)
1204-0XX	24-36	275	275	125	0.35	16
1204-1XX	24-36	175	175	75	0.50	16
1204-4XX	36-48	275	275	125	0.35	21
1204-6XX	12	275	275	125	0.35	9
1205-1XX	24-36	400	400	175	0.25	16
1205-2XX	24-36	350	350	150	0.30	21
1205-3XX	12	400	400	175	0.25	9

MODEL 1207A - Programmable



DESCRIPTION: Curtis PMC 1207A series of motor speed controllers feature a microprocessor based logic section combined with a proven MOSFET power section. The 1207A series controllers are efficient, cost effective and easy to install.

CURTIS PMC MODELS	VOLTAGE (volts)	1 min RATING (amps)	5 min RATING (amps)	1 hr RATING (amps)	TYP. VOLTAGE DROP @ 100A (volts)	UNDERVOLT CUTBACK (volts)	AMBIENT TEMP. RANGE (C°)
1207A-41XX	24	250	150	100	0.35	16	-25 to 50
1207A-51XX	24	300	170	110	0.30	16	-25 to 50

MODEL 1209B - Programmable



DESCRIPTION: Curtis PMC Models 1209B/1221B are power MOSFET electronic motor speed controllers designed to provide smooth, silent, efficient and cost effective speed, torque and braking control.

CURTIS PMC MODELS	VOLTAGE (volts)	2 min CURRENT (amps)	5 min RATING (amps)	1 HOUR RATING (amps)	VOLTAGE RATING (amps)	UNDERVOLT DROP @ 100A	CUTBACK (volts)
1209B-46XX	24-36	500	500	350	225	<0.15V	16
1209B-55XX	36-48	450	450	300	200	<0.30V	21
1209B-64XX	48-72	400	400	275	175	<0.30V	30

MODEL 1243 - Programmable



DESCRIPTION: Curtis PMC Model 1243 SepEx® programmable controllers provide smooth and seamless regenerative control of separately excited motors. An advanced MOSFET power section, combined with a sophisticated microprocessor provides very high efficiency, silent operation and reduced motor and battery losses.

CURTIS PMC MODEL	VOLTAGE (volts)	ARMATURE RATING* (amps)		FIELD RATING (amps)	
		2 minutes	1hr	2 minutes	1hr
1243-42XX	24-36	200	80	25	15
1243-43XX	24-36	300	100	25	15

MODEL 1244 Programmable



DESCRIPTION: Curtis PMC Model 1244 SepEx™ programmable controllers provide smooth and seamless control of separately excited motors. An advanced MOSFET power section provides very high efficiency, silent operation and reduced motor and battery losses.

CURTIS PMC MODEL	VOLTAGE (volts)	ARMATURE RATING* (amps)	FIELD RATING (amps)
		2 minutes	2 minutes
1244-44XX	24-36	400	60
1244-45XX	24-36	500	60
1244-46XX	24-36	600	60
1244-47XX	24-36	700	60
1244-54XX	36-48	400	50
1244-55XX	36-48	500	50
1244-56XX	36-48	600	50
1244-64XX	36-80	400	50
1244-65XX	36-80	500	50
1244-66XX	36-80	600	50

MOTOR SPEED CONTROLLERS CROSS REFERENCE

BLUE GIANT

Truck Part#	Controller#
026-474-99	1204-014
026-479-99	1204-601
026-510-99	1214-8203

BIG JOE

Truck Part#	Controller#
005467-01	1204X-1401
005467-02	1204X-4402

BAKER

Truck Part#	Controller#
137648	1205-105
137649	1204-013
142384	1209-4602
142763	1209B-5502
142764	1204-507
143416	1209B-4605
144133	1214-8204
144928	1221-4803

BARRETT

Truck Part#	Controller#
27732-068	1205-111
27732-070	1205-304
27732-071	1205S-4603
27732-077	1204-028
27732-078	1209B-4602
27732-079	1209B-4604
27732-081	1205X-4418

CLUBCAR

Truck Part#	Controller#
1014749	1204-015
1016674	1205-113
1017209	1205-209
1018008	1204-408
1018402-01	1204-410
1018402-02	1204-411
1018402-03	1204-412
101956501	1510-5201

CLARK

Truck Part#	Controller#
2819388	1244-4413

CROWN

Truck Part#	Controller#
110612	1205X-4407
113415	1204X-4207
115578	1205X-4420
115937	1207-1106
119247-00	1207-1115
123812	1204X-4220
123812-00	1204X-4218
123813	1205X-4420
123813-00	1205X-4421
126268-00	1207AC-6103
805324	1207AC-6102

CUSHMAN

Truck Part#	Controller#
78005	1219-8404
78005	1219-8405
841344	1244-5404
892789	1207-1128
893392	1207-2103

E-Z-GO

Truck Part#	Controller#
22717-G1	1205-112
25864-G03	1206-1
25864-G04	1206-002
27937G01	1205X-4408
73060-G01	1205-117
73098G02	1264-5405
73144-G01	1206SX-002
73144-G03	1206SX-003
73144-G04	1206SX-004
73144-G06	1206SX-005
73233-G01	1205-210
73263G01	1206MX-1111
73326G01	1206MX-1112
73326G02	1206MX-1114
73326G04	1206MX-1115

HYSTER

Truck Part#	Controller#
2307947	1205X-4402
826156	1205-303

MULITON

Truck Part#	Controller#
8550815	1204-029

NISSAN

Truck Part#	Controller#
29320-34K00	1244D-4476

PRIME MOVER

Truck Part#	Controller#
1137197-002	1207-1123
1137197-003	1207-1131
137197-005	1207-1137
137197-006	1207A-4110
137197-01	1207-1102
143850-002	1207-1124
143850-003	1207-1129
163770-001	1207A-4109
165137-001	1243-4303
166328-001	1207A-4111
169071-003	1243C-4275
169072-003	1243C-4274
169073-003	1243C-4374
171291-001	1243C-5274
171291-003	1243C-5274
23456-00	1204-033
23456-01	1204-606
23456-02	1205-116
23456-03	1205-306

PRIME MOVER

Truck Part#	Controller#
27325-00	1204X-4205
27325-01	1205X-4419
305878-000	1242-4204
305878-001	1242-4304
306777-003	1244-4404
306777-004	1244-4404
307260-000	1242-4205
308411-001	1244C-4406
309659-001	1244C-4506
309807-000	1244-4416
311468-000	1242-4209
311469-000	1242-4210

RAYMOND

Truck Part#	Controller#
1-187-007-001	1242-4301
1-187-049	1204-019
1-187-067	1204X-4203
1-187-068	1207-1105
1-187-070	1204X-4215
1-187-074	1214-8704
1-187-075-004	1244C-4417
1-187-075-005	1244C-4507
1-187-076-003	1244C-4504
1-187-077-002	1242-4305
1-187-078	1207A-4107
1-187-082	1242-4206
1-187-085	1214-8704
1-187-086-001	1244-4424
1-187-086-002	1244-4425
1-187-086-003	1244-4424
1-187-086-004	1244-4425
1-187-087-002	1243-4304
1-187-088-001	1204-503
1-187-089-001	1254-4505
1-187-093	1214-8704
1-187-094-001	1244-4424
1-187-094-002	1244-4425
1-187-094-003	1244-4424
1-187-094-004	1244-4425
1-187-095	1244-4422
1-187-098	1244-4426
1-187-099	1214-8704
1-187-100	1214-8704
1-187-101	1214-8704
850-900-038	1204-205

TAYLOR DUNN

Truck Part#	Controller#
4-058-78	1205-118
62-204-00	1204-021
62-204-10	1204X-4211
62-204-40	1204S-4402
62-205-00	1205-108
62-205-20	1205-207
62-205-30	1205X-4601
62-205-40	1209B-4603
62-209-70	1209-6404

TAYLOR DUNN

Truck Part#	Controller#
62-215-00	1215-8302
62-221-00	1221-7404
62-221-10	1221-5705
62-231-00	1231-7703

TENNANT

Truck Part#	Controller#
15008	1204-020
222220	1203A-608
363553	1204-037
386302	1204-039
60228	1204X-4210

TOYOTA

Truck Part#	Controller#
00590-40562-71	1214-8704
00590-41752-71	1214-8704

YALE

Truck Part#	Controller#
1500319-10	1205X-4417
1665944-07	1244-4407
1665944-08	1244-4408
5047857-00	1215-9101
5049127-00	1215-9102
5051707-00	1207AC-6104
5183616-01	1204X-4209
5183616-02	1204X-4407
5183616-03	1205X-4414
5183616-04	1204X-1203
5183616-06	1205X-1402
5183616-07	1205X-4413
5183616-08	1204X-4214
5183616-09	1204X-4408
5183616-11	1204X-1204
5183616-12	1205X-1405
5183616-13	1205X-4416
5241355-90	1215-9103
5241414-52	1297-2402
5241414-53	1297-2403
5241460-44	1297-2404
5241460-45	1297-1405
5241460-46	1297-2405
5241487-83	1297-2406
5241508-26	1297-2407
8008260-68	1205-114
8008261-55	1204-602

HANDHELD PROGRAMMABLE/CABLE KIT



DESCRIPTION: The Curtis Model 1311 LP Handheld Programmer simplifies the programming, testing and diagnosing of Curtis Speed Controllers and Auxiliary Devices.

APPLICATION: The Curtis Model 1311 LP Handheld Programmer provides a simple and intuitive interface to Curtis products for testing, diagnostics and parameter adjustments.

FEATURES

- Compatible with all Curtis speed controllers and auxiliary devices.
- Backward compatible to the Curtis Model 1307 Programmer.
- Easy menu navigation with clear and intuitive parameter organization.
- Inc/dec key for real-time adjustment of parameters.
- Read and clear fault history, monitor real-time data and perform tests.
- Bookmark keys facilitate fast swapping between three user selected menus.
- Detail Screen shows units, min/max ranges and bargraph.
- Allows cloning of parameter settings between controllers.
- Graphic LCD can display up to seven lines of information.
- Restricted data is controlled by four access levels: OEM, Dealer, Service and User.
- Cable options to interface with all Curtis controllers: Molex, Conxall and RJ11.

1311MP-1101

1311MP-4401

ENGAGE™ II DIGITAL INSTRUMENTS

MODEL 3000



DESCRIPTION: The Curtis enGage™ II is a dual function, microprocessor based instrument that can be factory or user defined to monitor various functions including fuel, temperature, pressure, voltage, battery state of charge and maintenance/status.

APPLICATION: Industrial and commercial vehicles including: material handling, outdoor power and construction equipment, engine driven stationary devices, commercial cleaning equipment, golf / light-on-road and other mobility aids. Also ideally suited for monitoring scheduled maintenance, warranty and leasing intervals.

FEATURES

- Multiple functions in one programmable unit:
- Field programmable maintenance monitor allows dealers and/or users to program maintenance intervals for their specific application.
- Optional settable hour meter allows replacement of a failed hour meter without loss of total elapsed time.
- Flexible output modes include flashing LCD segments, panel mounted LED and FET (0.5A) which allows the equipment designer to define critical parameters and to choose appropriate notification methods, such as alarms or buzzers.
- True Curtis battery monitoring technology means proven algorithm protection capabilities providing reliable state of charge information.
- Clock function allows vehicle operator easy and safe access to time of day status.
- Mounting bracket and integrated connector lowers in-

stallation and production costs and eliminates traditional mounting hardware kits.

- EEPROM non-volatile memory retains usage data without battery back-up.
- Reliable, all solid state design means no moving parts minimizing warranty costs.

Installation Kit



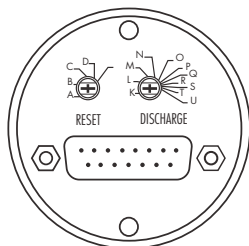
12-48 Volt - Maintenance Monitor Amp Connector

3003R-67X-0001

E2-KIT-AMP

E2-KIT-MOLEX

MODEL 933



CURTIS UNIGAUGE

DESCRIPTION: Curtis Model 933 combines in one instrument a completely solid state battery discharge indicator, an LCD hour meter and lift lockout, housed in a 52mm case. Void of moving parts, this combination instrument is exceptionally reliable even in severe operating environments.

APPLICATION: Model 933 is a combination gage ideally suited for electrically powered vehicles.

CROSS REFERENCE

HYSTER		YALE	
2311536	933-1C1224	5189666-03	933-1C1224
2311940	933-1C243648	5189666-01	933-1C243648

933-1C1224

933-1C243648

SOLID STATE BATTERY, FUEL GAUGE & HOUR METER

MODEL 802/803



MODEL 802:

DESCRIPTION: Model 802 is a combination battery 'fuel' gage and solid state hour meter housed in a single 52mm diameter case. Void of moving parts, this two-in-one unit provides exceptional reliability even in severe operating conditions.

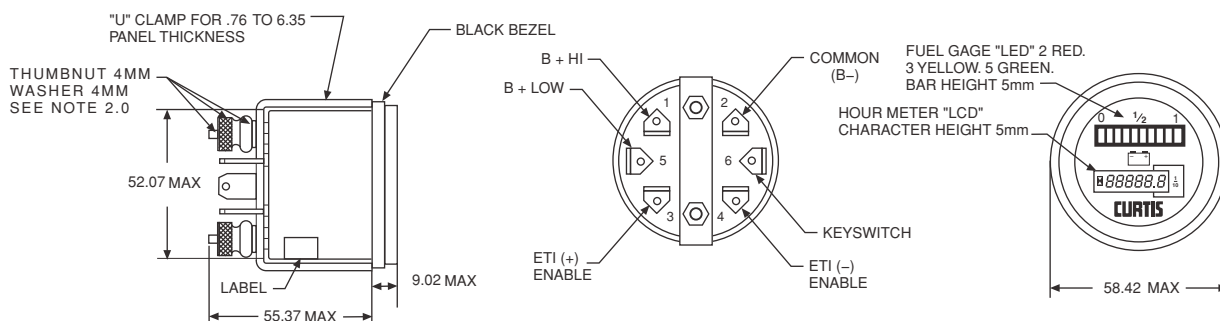
APPLICATION: Model 802's dual voltage feature makes it ideal for material handling applications, including forklift truck manufacturers and parts dealers trying to ease their stocking requirements. These high quality gages are also advantageous on sweeper/scrubbers, aerial lift platforms and personnel carriers.

MODEL 803:

DESCRIPTION: Curtis Model 803 combines in one instrument a completely solid state battery discharge indicator, an LCD hour meter and lift lockout, housed in a 52mm case. Void of moving parts, this combination instrument is exceptionally reliable even in severe operating environments.

APPLICATION: Model 803 is a combination gage ideally suited for electrically powered vehicles.

MODEL 802 DIMENSIONS WITHOUT LIFT LOCKOUT



12 Volt	24 & 36 Volt	36 & 48 Volt	24 & 48 Volt	72 & 80 Volt
802RB12BN	802RB2436BN	802RB3648BN	802RB2448BN	802RB7280BN

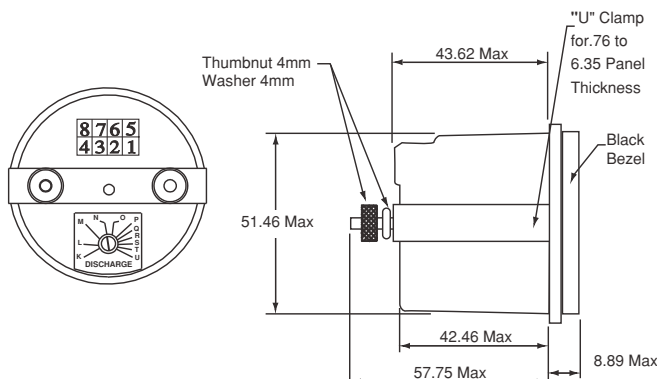
MODEL 803 DIMENSIONS WITH LIFT LOCKOUT

Note: In addition to a "U" clamp and thumb nuts/washers shown in the drawing, individually packed units are provided with a mating connector and female pins. Bulk packed units are provided with a "U" clamp and hex nuts/washers only.

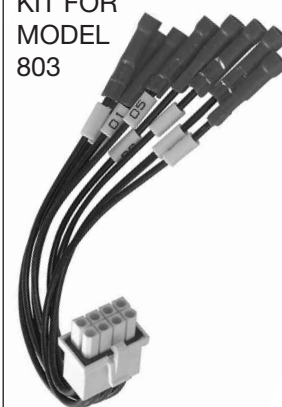
CONNECTOR PINOUT

Pin No.	Relay Option J
1	HRM (-)
2*	Keyswitch
3	Relay ARM (+)
4	Relay N.C. (-)
5	Common (B-)
6	HRM (+)
7	B+ Low
8	B+ High

*Keyswitch turns on "fuel gage" display and enables the hour meter. To accumulate time in the hour meter one or both of the HRM+ and HRM- inputs must be connected.



INSTALLATION KIT FOR MODEL 803



12 Volt	24 & 36 Volt	24 & 48 Volt	24 & 48 Volt	36 & 48 Volt	
803RB12BCJ	803RB2436BCJ	803RB2448BCJ	803RB2448BCK3010	803RB3648BCJ	15369002

MODEL 802/803 CROSS REFERENCE

CLARK	KOMATSU	PRIME MOVER	TOYOTA	YALE
913739 802RB2436BN	301445-000 802RB2436BN	301445-001 802RB2436BN	00590-00528-71 802RB2436BN	7520604-01 802RB2436BN
919749 802RB2436BN	3BA-55-34790 803RB3648BCJ	306051-000 803RB12BCJ	00590-00609-71 802RB2436BN	7520604-02 802RB12BN
		306051-001 803RB2436BCJ	00590-00610-71 802RB2436BN	7526263-01 802RB12BN
			00590-03794-81 802RB2436BN	7526263-02 802RB2436BN
HYSTER	MITSUBISHI CATERPILLAR	RAYMOND	00590-09015-81 802RB2436BN	
1361313 802RB2436BN	1009518 802RB2436BN	870-231-002 802RB2436BN	00590-42119-71 802RB2436BN	
2302036 802RB12BN	1100728 802RB2436BN	870-248 802RB2436BN		
864794 802RB2436BN		870-256 802RB2436BN		

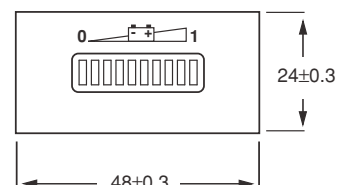
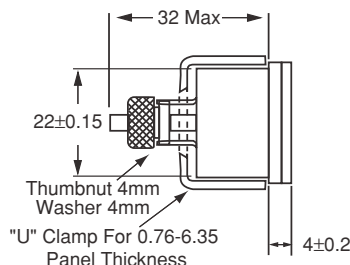
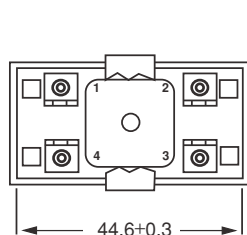
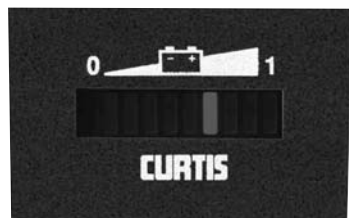
BATTERY FUEL GAUGE 906 SERIES

MODEL 906:

DESCRIPTION: Model 906 is an inexpensive, one piece, easy to install battery fuel gauge. It is completely solid state and provides a reliable, accurate, and easy to read display of battery state-of-charge. Model 906 is available in five panel mount packages and a printed circuit board mounted module for custom dash panel applications.

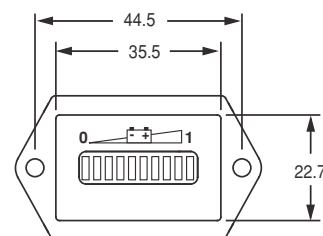
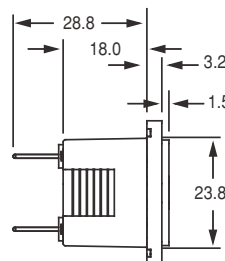
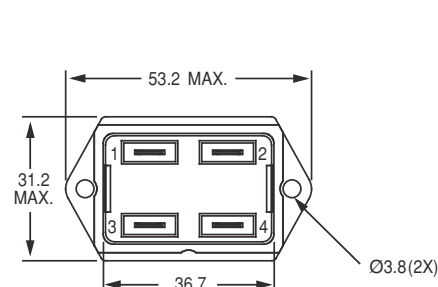
APPLICATION: This battery fuel gauge features Curtis-patented technology and is ideal for golf cars, commercial cleaning equipment, mobility aids, electric bicycles, electric marine motors, medical devices, and similar equipment.

D Case:



12 Volt	24 Volt	36 Volt	48 Volt
906D-12H	906D-24H	906D-36H	906D-48H

T Case:

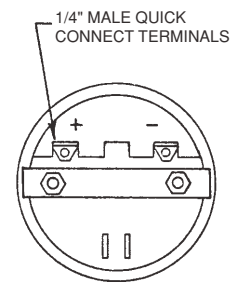
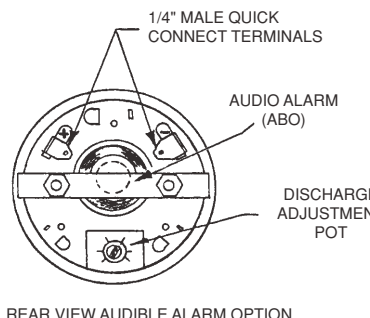
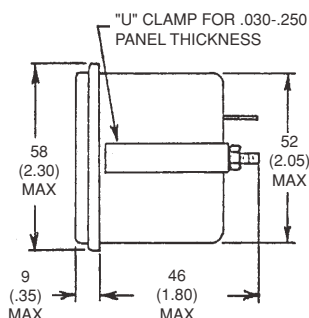


12 Volt	24 Volt	36 Volt	48 Volt
906T-12HG	906T-24HG	906T-36H	906T-48H

BATTERY FUEL GAUGE 900 SERIES

MODEL 900:

DESCRIPTION: The Curtis Model 900R battery "fuel" gage is low cost and easy to install. It is a single piece package and installs via a simple 2 wire connection.



System Voltages: Available in single voltages from 12, 24, 36, 48, 72 and 80VDC. Non-standard high voltage units are available.

12 Volt	24 Volt	36 Volt	48 Volt	72 Volt
900RB12BN	900RB24BN	900R36BN	900R48BN	900R72BN

BARRETT	CLARK	HYSTER	YALE
27522	923582	2308295	7510323-01
27522-011	900RB24BN	900RB24BN	900RB12BN
27522-012		2310110	900RB12BN
27522-11	CROWN	2311294	900RB24BN
27522-12	106288		
	900RB24BN		

700 SERIES SOLID STATE HOUR METERS & COUNTERS

DESCRIPTION: The Curtis 700 Series are highly reliable solid state hour meters and counters that offer an unprecedented combination of patented technology, performance, reliability and value.

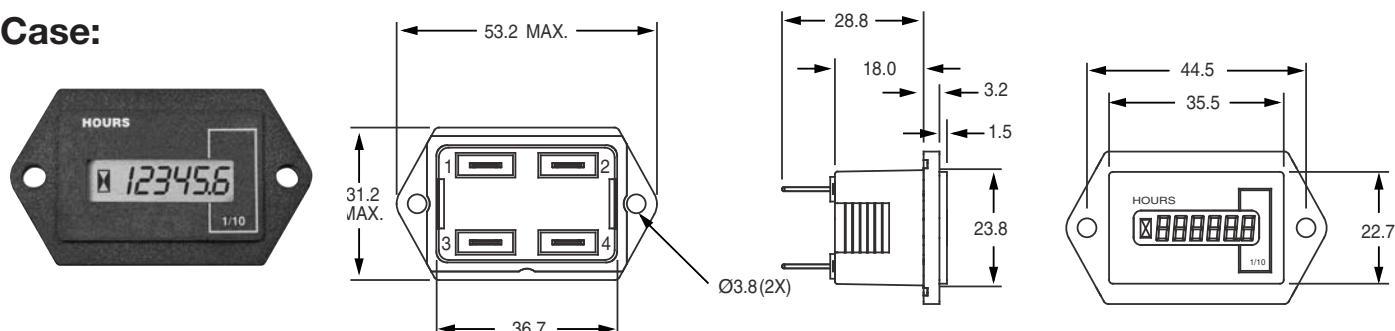
APPLICATION: A wide variety of industrial and commercial applications, including scheduled maintenance, warranty and leasing – for medical equipment, transport and industrial vehicles and other industrial equipment.

MODEL 700: 2-Wire Hour Meter, displays only when powered. Available in AC/DC.

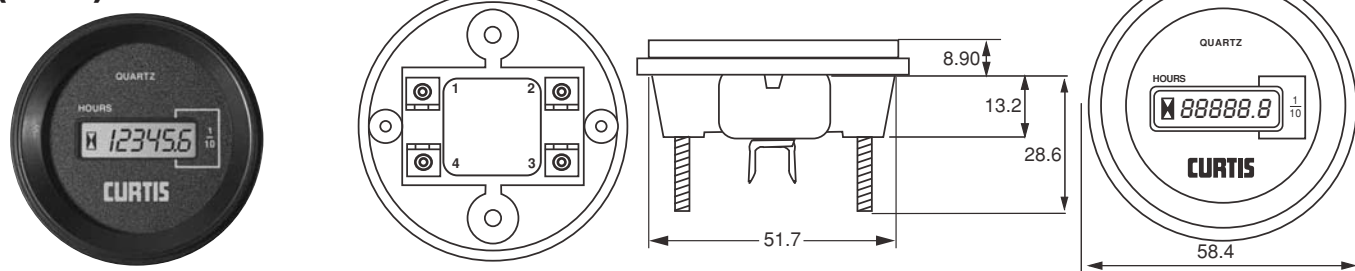
MODEL 701: 3-Wire Hour Meter, has a provision for continuous display. Available in AC/DC and DC-only.

MODEL 703: Pulse Counter. Available in AC/DC and DC-only.

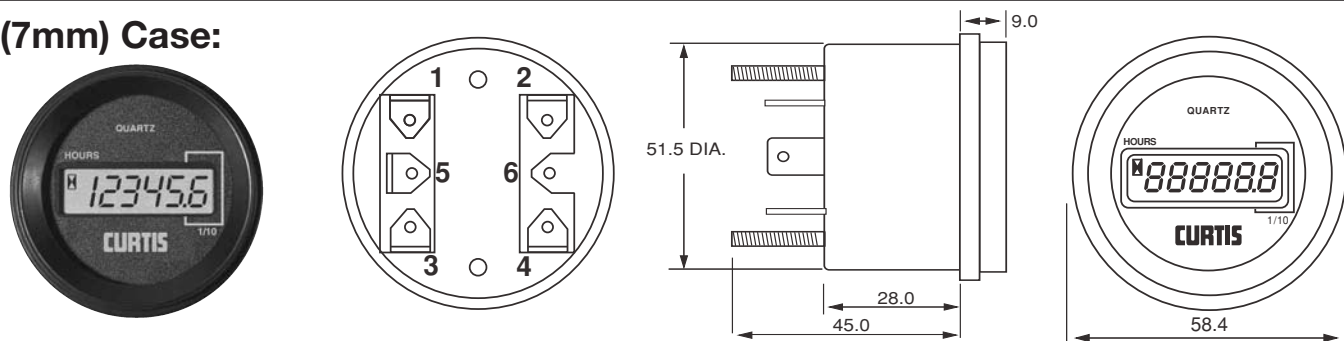
F Case:



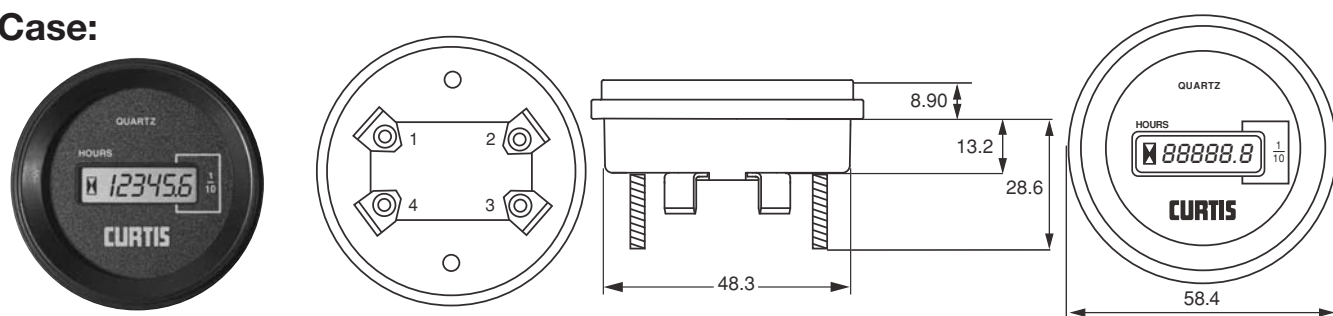
R (5mm) Case:



R (7mm) Case:



Q Case:



700FN00101248D

701FN00101248D

700RN00101248D

701RN00101248D

700QN00101248D

701QN00101248D

BATTERY CHARGERS

DESCRIPTION:

The Curtis 1620 Series switch-mode chargers are portable, 24VDC, 20A chargers that allow easy charging of electric vehicle batteries at any outlet.

APPLICATION:

Material Handling market and electric vehicles utilizing 24V power, such as counterbalance trucks, order pickers, pallet trucks, reach trucks, scrubbers, stackers, sweepers, tugs, and walkies.



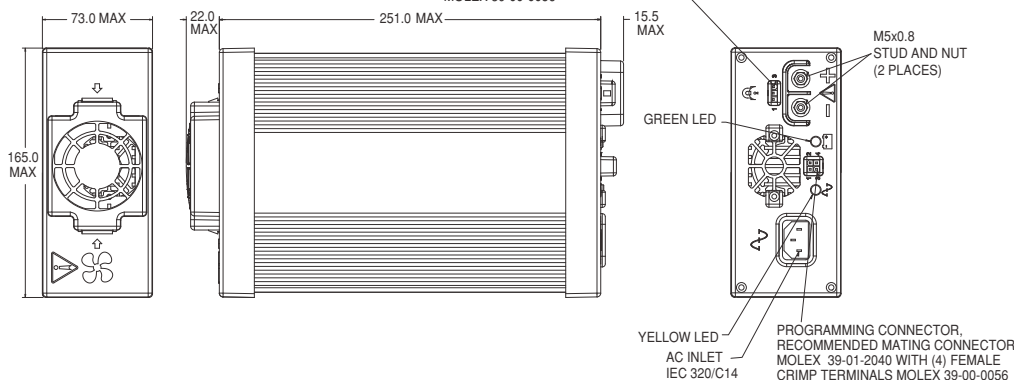
FEATURES

- User programmability allows the user to optimize the charge profile for their specific battery.
- Microprocessor control and switch-mode operation allows for faster charging, and makes the charger suitable for all types of lead acid batteries.
- Lightweight and compact size offers space advantages over other chargers.
- Will charge a 200Ah battery in less than 12 hours, allowing batteries to be charged overnight.
- Automatic shut-off and restart to compensate for battery self-discharge.
- Forced-air cooling with temperature regulation means maximized power output.

- Internal thermal protection prevents the unit from damage due to over temperature conditions.
- Thermal cutback operation allows the charger to continue charging at elevated temperatures, rather than shutting off.
- Output current is limited so as not to exceed the maximum power and/or thermal capacity of the charger.
- Output is short-circuit and reverse polarity protected, providing protection to both the charger and the operator.
- LEDs indicate AC Power On, Charging Status, and Fault Conditions, allowing for at-a-glance status indication.
- Motor controller inhibit signal present while the charger senses an AC input, ensuring the machine is immobilized and preventing drive-offs during charging.
- Optional mounting kit (not shown) for on-board charging applications.
- Rated to environmental protection of IP54 (including fan) to allow for operation in harsh environments.
- DC safe connect/disconnect means no sparks are generated when connecting the charger to the battery or to the outlet.
- Advanced design allows fan to be replaced without the use of tools, minimizing service downtime.
- Float mode allows the vehicle's accessories to be used while charging, without draining the battery.

MODEL 1620

CHARGING INDICATOR CONNECTOR, RECOMMENDED MATING CONNECTOR
MOLEX 39-01-4030 WITH TWO (POS. 1 AND POS. 3) FEMALE CRIMP TERMINALS
MOLEX 39-00-0056



1620FS-120-24

MODELS SU60, SW60, SW80



MINIATURE CONTACTORS

DESCRIPTION: Curtis/Albright relays are DC contactors designed to energize or isolate the vehicle lights, electrical pumps, fans, heating elements, solenoid valves, etc., by means of the key switch.

APPLICATION: Curtis/Albright Main Power/Ignition Relays are eminently suitable for controlling the electrical services on heavy duty construction, forestry and agricultural vehicles and machinery. Additionally, suitable for Telecom rack mounted power supplies and static low current DC power systems.

FEATURES

- Curtis/Albright relays and DC contactors offer exceptionally high power ratings for their compact size. Curtis/Albright Ignition/Main Power Relays can take the place of several Cube relays, saving cost, space and installation time.
- This Curtis/Albright relays series is an innovative and unique introduction from the world's leading manufacturer of DC Contactors.
- The relay's miniature size allows exceptional installation flexibility even in the most compact rack assemblies.
- A range of coil voltages are available, including continuously rated voltages for vehicle charging systems.
- The relays are enclosed in IP66 rated cases and can be mounted either directly to a panel (M4 tapped holes are provided) or by means of standard brackets. Note: IP66 rating only applies to "P" types (SW60P, SU60P & SW80P relays)

SU60 for continuous currents up to **100 Amperes**. - **SW60** for continuous currents up to **80 Amperes**.
SW80 for continuous currents up to **125 Amperes**

SU60P-12DC	SU60P-24DC	SU60P-36DC	SW60P-12DC	SW60P-24DC	SW60P-36DC	SW80P-12DC	SW80P-24DC	SW80P-36DC
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FOOT PEDAL ASSEMBLIES

DESCRIPTION: A durable foot pedal throttle assembly for use with Curtis electronic motor speed controllers.

APPLICATION: Curtis FP-6/7 Foot pedal assembly is ideal for use in electric forklifts, golf carts, electric street vehicles and other vehicle types.



FP-4

FEATURES

- Rugged LM24 aluminum casing - ideal for tough environments such as material handling.
- The entire foot pedal rotates on its mounting base - for maximum installation flexibility.
- Cable exit points at rear - for easy installation.

- Special return spring design ensures increased reliability.
- 5K Curtis potentiometer.
- Includes two adjustable micro-switches.
- The foot pedal arm can be mounted on either side of the mounting base.
- Custom specific pedal arms possible.

SPECIFICATIONS

- Maximum current for micro-switches: 4A at 30V DC (Resistive load).

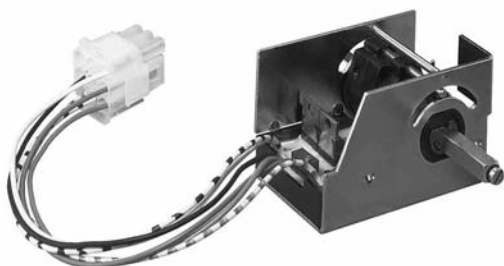
- 3 Wire 5K potentiometer (Curtis 98191).
- 7 Core cable. Length 1000mm.
- Pedal shaft stainless steel SS 410.

FP-6

THROTTLE ASSEMBLY

DESCRIPTION: The Curtis electronic throttle provides an analog 0-5V output proportional to throttle position for interfacing with motor speed controllers.

APPLICATION: This electronic throttle is ideal for use in material handling, golf cars, on-road and other electric vehicle applications which require a 0-5V input for speed control.



FEATURES

- Hall effect sensors and solid state MOSFET contactor drivers minimize moving parts, thereby increasing reliability and Mean Time Between Failure.
- Symmetrical throttle response in both forward and reverse directions ensures smooth, concise acceleration and deceleration in both directions.
- Minimal dead band areas at both zero and full throttle positions eliminates hesitation when beginning to accelerate or decelerate.

- Environmental protection of major components through an epoxy layer over the circuit board assures operation in harsh environmental conditions.
- Wig-wag type throttle returns the throttle to neutral for convenience and safety.
- Input polarity protection to ensure no damage occurs to the throttle if it is incorrectly wired.
- Easy to install.

SPECIFICATIONS

- Operating voltage: 13 – 58VDC
- Throttle output range: 0 to 5 Volts

- Maximum throttle output: 5.3 Volts
- Minimum throttle output: 0 Volts
- Maximum dead band at zero throttle: 10 degrees

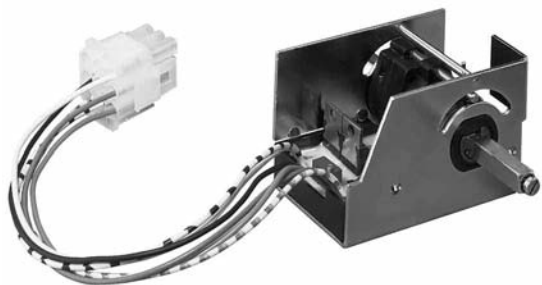
- Maximum dead band at full throttle: 10 degrees
- Forward/Reverse current: 1.5 amp max
- Symmetrical throttle response in both directions

ET-126

ELECTRONIC THROTTLE

DESCRIPTION: The Curtis electronic throttle provides an analog 0-5V output proportional to throttle position for interfacing with motor speed controllers.

APPLICATION: This electronic throttle is ideal for use in material handling, golf cars, on-road and other electric vehicle applications which require a 0-5V input for speed control.



FEATURES

- Hall effect sensors and solid state MOSFET contactor drivers minimize moving parts, thereby increasing reliability and Mean Time Between Failure.
- Symmetrical throttle response in both forward and reverse directions ensures smooth, concise acceleration and deceleration in both directions.
- Minimal dead band areas at both zero and full throttle positions eliminates hesitation when beginning to accelerate or decelerate.
- Wig-wag type throttle returns the throttle to neutral for convenience and safety.

- Input polarity protection to ensure no damage occurs to the throttle if it is incorrectly wired.
- Easy to install.
- Environmental protection of major components through an epoxy layer over the circuit board assures operation in harsh environmental conditions.

SYSTEM VOLTAGES

The **Model ET-103 and ET-103M** have an operating voltage range of 13 to 46 Volts DC. The **Model ET-108 and ET-108M** have an operating voltage range of 26 to 58 Volts DC.

SPECIFICATIONS

- Operating voltage: 13 – 58VDC
- Throttle output range: 0 to 5 Volts

- Maximum throttle output: 5.3 Volts
- Minimum throttle output: 0 Volts
- Maximum dead band at zero throttle: 10 degrees

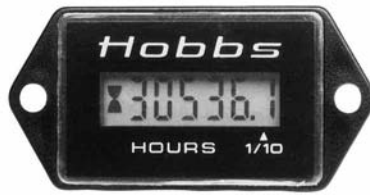
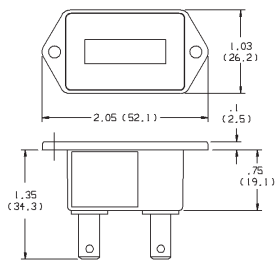
- Maximum dead band at full throttle: 10 degrees
- Forward/Reverse current: 1.5 amp max
- Symmetrical throttle response in both directions

ET-103

ET-108

TWO SCREW STANDARD BEZEL

9-64 Volts



2 Terminal

98310

3 Terminal w/Enable

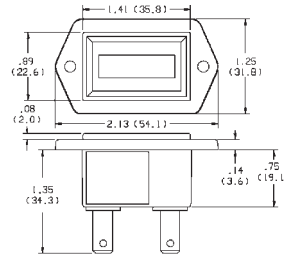
98320

4 Terminal / Resettable

98300

TWO SCREW DELUXE BEZEL

9-64 Volts



2 Terminal

98313

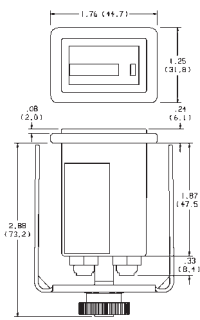
3 Terminal w/Enable

98323

4 Terminal / Resettable

98303

RECTANGULAR STIRRUP



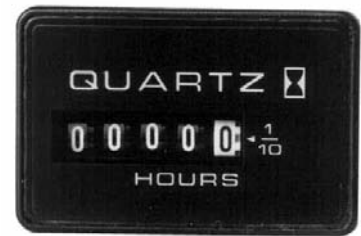
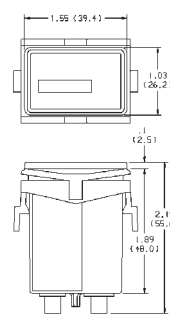
10-32 Volts

85010

30-110 Volts

85023

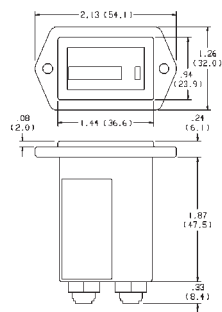
RETAINER MOUNT



10-80 Volts

82320

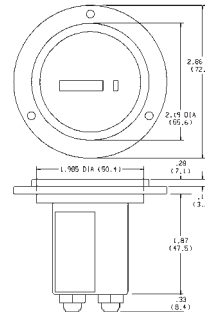
TWO SCREW RECTANGULAR



10-80 Volts

85094

THREE SCREW ROUND

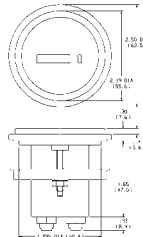
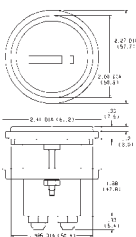


10-80 Volts

85097

ROUND CHROME BEZEL

10-80 Volts



Chrome Flush Mount (Cup)
2.27": Panel cutout
2.00 diameter opening.*

Chrome Flush Mount (Cup)
2.5": Panel cutout
2.00 diameter opening.*

2.27" Outer Diameter

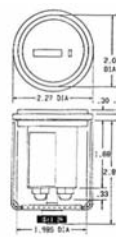
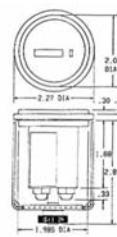
85342

2.5" Outer Diameter

85098

ROUND BLACK BEZEL

10-80 Volts



Black Flush Mount (Stirrup)
2.27": Panel cutout
2.00 diameter opening.*

Black Flush Mount (Stirrup)
2.5": Panel cutout
2.00 diameter opening.*

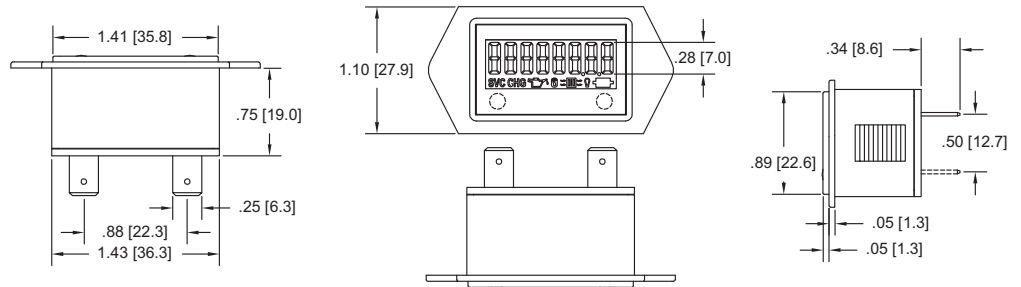
2.27" Outer Diameter

85093

2.5" Outer Diameter

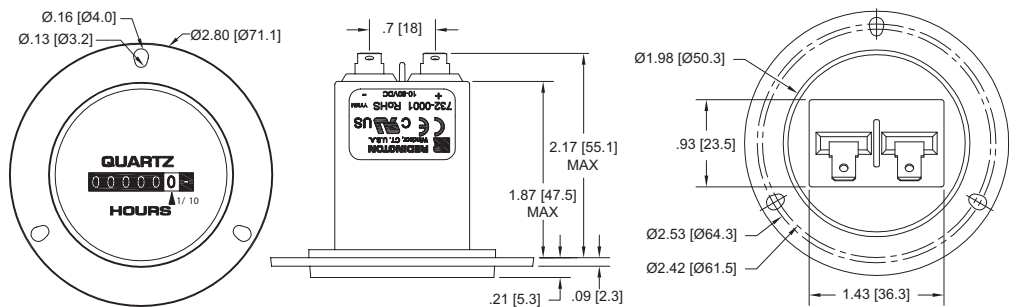
85099

2-HOLE NO-HOLE MOUNT


3410-0000

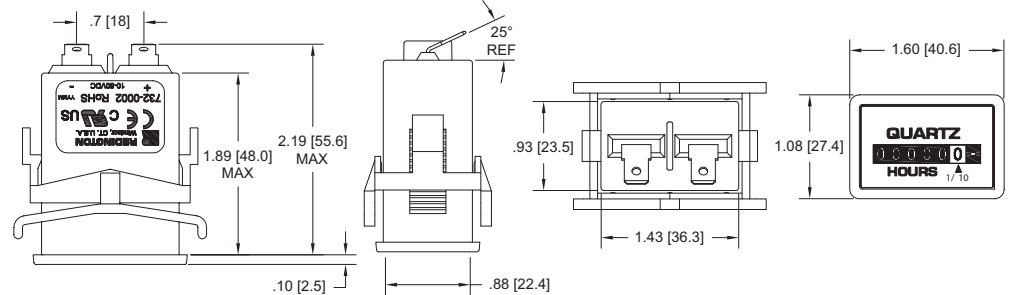
10-80VDC, 1/4" [6.3mm] spade terminals, hours & 1/10's

3-HOLE ROUND


732-0001

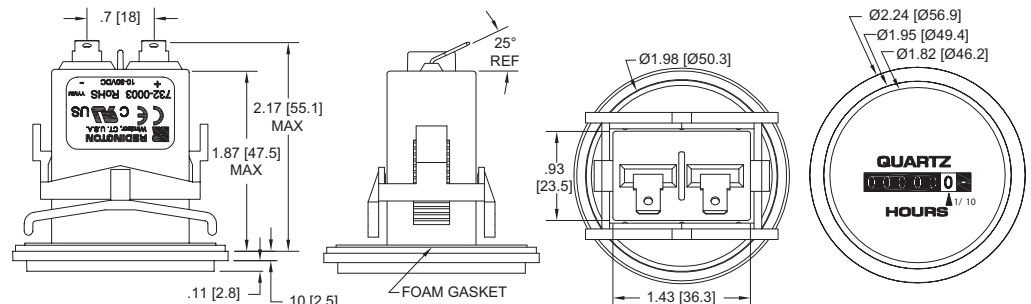
10-80VDC, 1/4" [6.3mm] spade terminals, hours & 1/10's

FLUSH - RECTANGULAR


732-0002

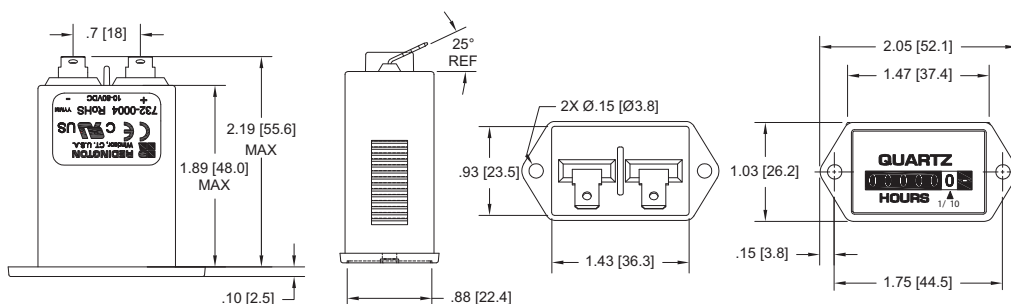
10-80VDC, 1/4" [6.3mm] spade terminals, hours & 1/10's

FLUSH - ROUND


732-0003

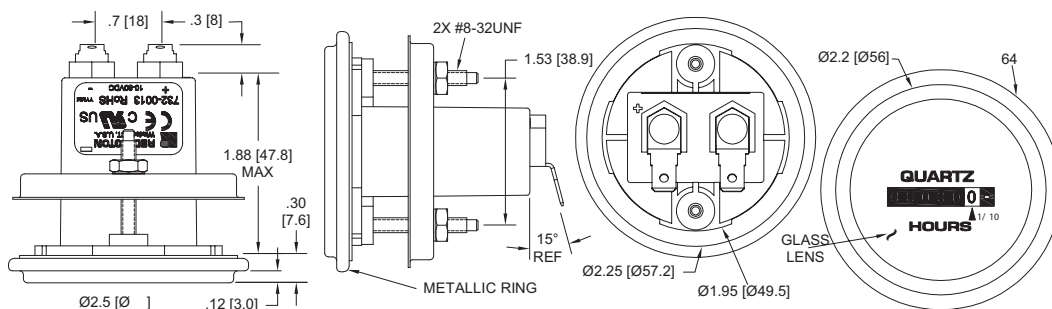
10-80VDC, 1/4" [6.3mm] spade terminals, hours & 1/10's

2-HOLE NO-HOLE MOUNT


732-0004

10-80VDC, 1/4" [6.3mm] spade terminals, hours & 1/10's

PANEL MOUNT ROUND CUP



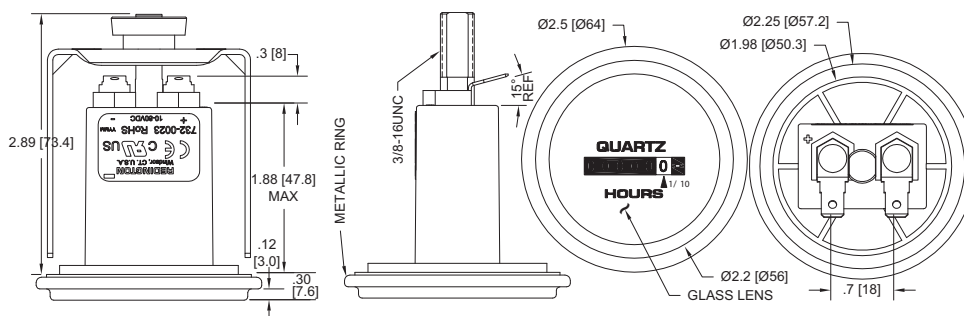
stainless steel bezel

black metallic bezel

732-0013
732-0014

10-80VDC, 1/4" [6.3mm] spade terminals, hours & 1/10's

PANEL MOUNT ROUND STIRRUP



stainless steel bezel

black metallic bezel

732-0023
732-0024

10-80VDC, 1/4" [6.3mm] spade terminals, hours & 1/10's

BATTERY DISCHARGE GAUGE

Gauge includes shutdown switch to prevent battery damage.

TECHNICAL DATA

- Quartz Accuracy: $\pm 0.02\%$ (± 200 ppm)
- Sealed, Shock-Resistant Case
- Run Indicator
- Voltage Range: 10-80 VDC
- Temperature Range of -40°F to $+185^{\circ}\text{F}$
- Numeral Size: 0.12"
- UL Recognized
- CSA Certified
- Polycarbonate Case and Lens
- 1/4" Blade Terminals

FEATURES & SPECIFICATIONS

Charge Degree	2.09V/cell
Discharge Limit Degree	1.73V/cell
Time Delay	3min.
Current Consumption	25mA
Ambient Temperature	-30°C to $+50^{\circ}\text{C}$
Front Installing Dia.	53mm
Weight	90g
Max. Current Of The Relay:	1A
Protection Degree:	1P - 65


20020 Series

30030 Series

12 Volt

30030-12

24 Volt

20020-24 / 30030-24

36 Volt

20020-36 / 30030-36

48 Volt

20020-48 / 30030-48

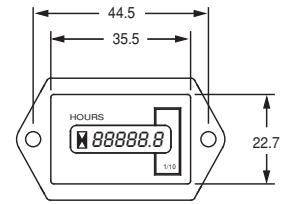
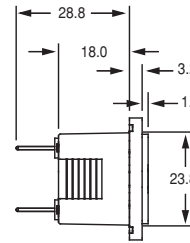
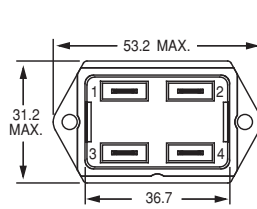
72 Volt

30030-72

80 Volt

30030-80

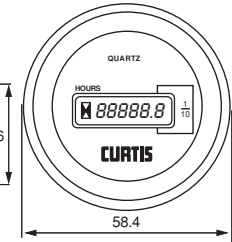
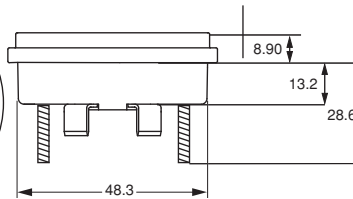
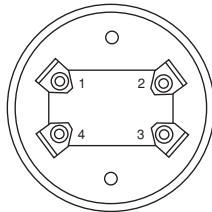
HOUR METER



700FN00101248D

701FN00101248D

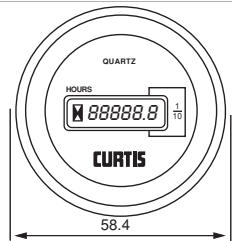
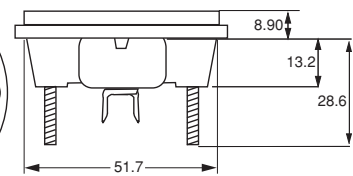
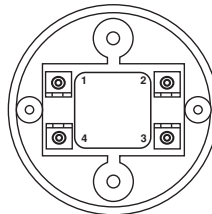
HOUR METER



700QN00101248D

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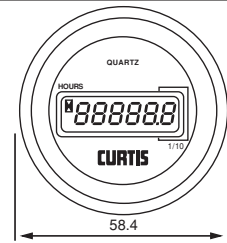
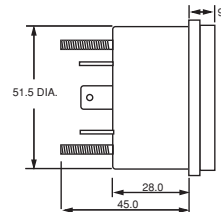
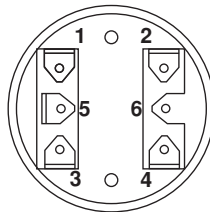
HOUR METER



700RN00101248D

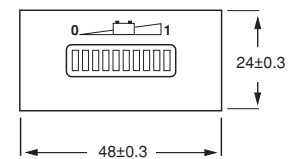
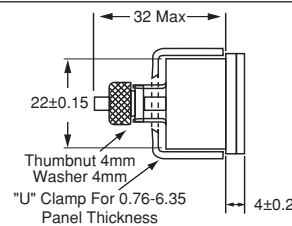
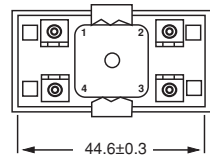
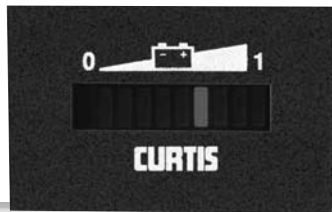
701RN00101248D

HOUR METER



701TR00101248D

BATTERY FUEL GAUGE

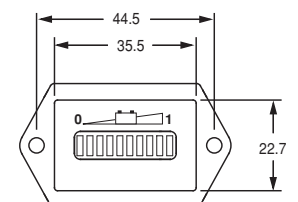
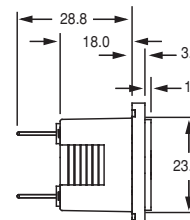
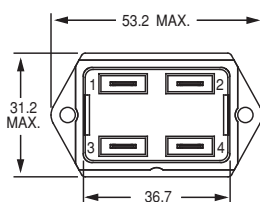

12 Volt
906D-12H

24 Volt
906D-24H

36 Volt
906D-36H

48 Volt
906D-48H

BATTERY FUEL GAUGE


12 Volt
906T-12HG

24 Volt
906T-24HG

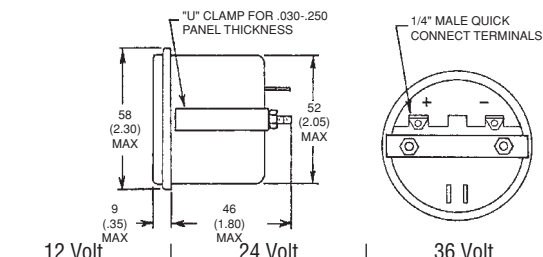
36 Volt
906T-36H

48 Volt
906T-48H

CURTIS METERS AND GAUGES

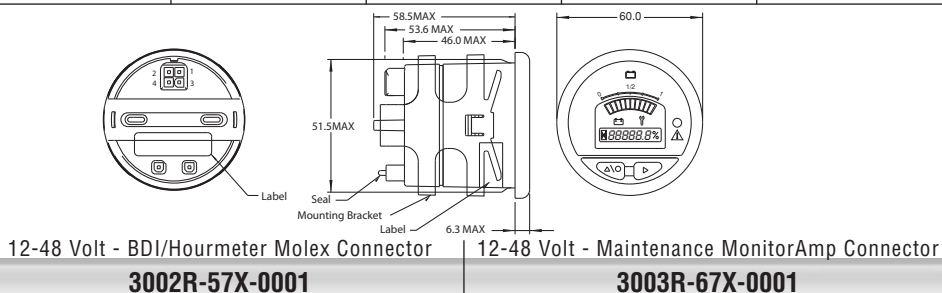
400

BATTERY FUEL GAUGE

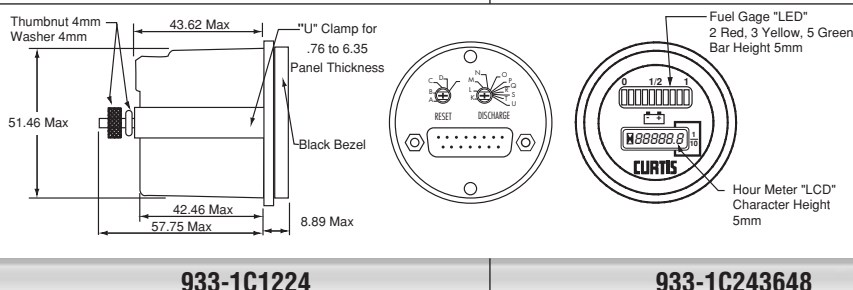


12 Volt	24 Volt	36 Volt	48 Volt	72 Volt
900RB12BN	900RB24BN	900R36BN	900R48BN	900R72BN

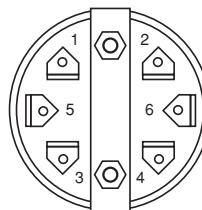
HOUR/BATTERY DISCHARGE



HOUR/BATTERY DISCHARGE

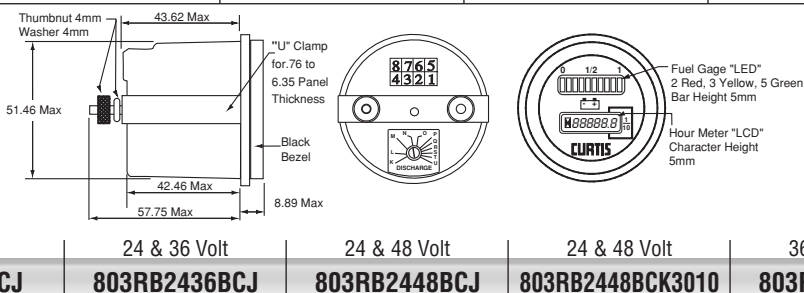


HOUR/BATTERY DISCHARGE



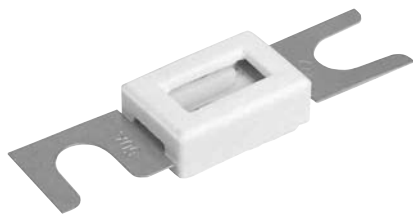
12 Volt	24 & 36 Volt	36 & 48 Volt	24 & 48 Volt
802RB12BN	802RB2436BN	802RB3648BN	802RB2448BN

HOUR/BATTERY DISCHARGE



12 Volt	24 & 36 Volt	24 & 48 Volt	24 & 48 Volt	36 & 48 Volt
803RB12BCJ	803RB2436BCJ	803RB2448BCJ	803RB2448BCK3010	803RB3648BCJ

48LF-SERIES



48LF-35AMP	48LF-150AMP	48LF-325AMP
48LF-50AMP	48LF-160AMP	48LF-355AMP
48LF-60AMP	48LF-175AMP	48LF-400AMP
48LF-63AMP	48LF-200AMP	48LF-425AMP
48LF-80AMP	48LF-225AMP	48LF-500AMP
48LF-100AMP	48LF-250AMP	48LF-600AMP
48LF-125AMP	48LF-275AMP	
48LF-135AMP	48LF-300AMP	

50 to 425 Amps Available

BF150V-SERIES



BF150V-50AMP
BF150V-100AMP
BF150V-150AMP
BF150V-200AMP
BF150V-225AMP
BF150V-325AMP

50 to 325 Amps Available

BFS96V-SERIES



BFS96V-100AMP
BFS96V-225AMP
BFS96V-275AMP
BFS96V-50AMP

50 to 275 Amps Available

FUSE CROSS REFERENCE

OEM#	HELMAR#	OEM#	HELMAR#
00591-09579-81	48LF-325AMP	3884531	48LF-400AMP
00591-30112-82	48LF-325AMP	3885765	48LF-400AMP
00591-56692-81	48LF-325AMP	3C1572	48LF-325AMP
0325809	48LF-325AMP	4304267	48LF-400AMP
0972879	48LF-325AMP	48LF-100	48LF-100AMP
1069082	48LF-325AMP	48LF-325	48LF-325AMP
1335377	48LF-325AMP	48LF-400	48LF-400AMP
14458870	48LF-325AMP	504058751	48LF-325AMP
2173327	48LF-325AMP	504226299	48LF-325AMP
220010705	48LF-325AMP	520357852	48LF-325AMP
220010706	48LF-325AMP	800109221	48LF-325AMP
220024540	48LF-325AMP	800121671	48LF-150AMP
220075040	48LF-325AMP	800121673	48LF-400AMP
220075101	48LF-325AMP	800121675	48LF-100AMP
2304355	48LF-325AMP	906258	48LF-325AMP
24191-10990-71	48LF-150AMP	97122-14100	48LF-325AMP
24191-22550-71	48LF-400AMP	9712214100	48LF-325AMP
24191-81100-71	48LF-100AMP	972879	48LF-325AMP
24193-22550-71	48LF-325AMP	ANL-325	48LF-325AMP
217210	48LF-325AMP	FSANL-325	48LF-325AMP
3046379	48LF-325AMP	FSENL-325	48LF-325AMP
3056710	48LF-325AMP	SY48LF-100	48LF-100AMP
3132940	48LF-325AMP	SY48LF-150	48LF-150AMP
325809	48LF-325AMP	SY48LF-400	48LF-400AMP
325890	48LF-325AMP	SYBU-2001325	48LF-325AMP
352-2032	48LF-325AMP	SYBU-ANL-325	48LF-325AMP
352-3325	48LF-325AMP	SYBU-ANL325	48LF-325AMP
352-3400	48LF-400AMP	SYBU-ENL-325	48LF-325AMP
352-6100	48LF-100AMP	SYBU-ENL325	48LF-325AMP
3700306	48LF-400AMP		

UNIVERSAL HEAD LAMPS

402



SPECIFICATIONS

Volts: 12-24
Lamp: LED
Height: 3.75"
Height w/mount: 5.15"
Width: 3.25"
Length: 5.50"

605



SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 3.70"
Height w/mount: 5.35"
Width: 2.18"
Length: 6.15"

610



SPECIFICATIONS

Volts: 12
Lamp: Sealed Beam
Height: 4.75"
Height w/mount: 5.875"
Width: 4.75"
Length: 3.5"

620



SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 2.72"
Height w/mount: 3.55"
Width: 2.83"
Length: 6.25"

630



SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 2.66"
Height w/mount: 2.73"
Width: 3.48"
Length: 3.58"

635



SPECIFICATIONS

Volts: 24
Lamp: Sealed Beam
Height: 4.75"
Height w/mount: 5.875"
Width: 4.75"
Length: 3.50"

640



SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 2.90"
Height w/mount: 3.98"
Width: 2.70"
Length: 5.71"

650



SPECIFICATIONS

Volts: 36
Lamp: Sealed Beam
Height: 4.75"
Height w/mount: 5.875"
Width: 4.75"
Length: 3.50"

660



SPECIFICATIONS

Volts: 48
Lamp: Sealed Beam
Height: 4.75"
Height w/mount: 5.875"
Width: 4.75"
Length: 3.50"

670



SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 2.98"
Height w/mount: 4.05"
Width: 2.56"
Length: 5.70"

673



SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 3.50"
Height w/mount: 4.60"
Width: 3.13"
Length: 5.85"

678



SPECIFICATIONS

Volts: 12
Lamp: Sealed Beam
Height: 4.75"
Height w/mount: 5.70"
Width: 3.30"
Length: 4.75"

684



SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 6.25"
Height w/mount: 7.58"
Width: 5.05"
Length: 6.25"

693



SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 4.50"
Height w/mount: 5.65"
Width: 3.25"
Length: 6.875"

694



SPECIFICATIONS

Volts: 12
Lamp: Sealed Beam
Height: 4.80"
Height w/mount: 6.10"
Width: 2.50"
Length: 4.80"

695


SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 4.00"
Height w/mount: 5.25"
Width: 3.47"
Length: 4.44"

710


SPECIFICATIONS

Volts: 12
Lamp: Sealed Beam
Height: 4.80"
Height w/mount: 5.80"
Width: 3.00"
Length: 4.80"

716


SPECIFICATIONS

Volts: 24
Lamp: Sealed Beam
Height: 4.80"
Height w/mount: 5.85"
Width: 2.90"
Length: 4.80"

719

Rear Stud
SPECIFICATIONS

Volts: 12
Lamp: Sealed Beam
Height: 5.28"
Height w/mount: n/a"
Width: 3.75"
Length: 5.28"


SPECIFICATIONS

Volts: 12
Lamp: Sealed Beam
Height: 4.75"
Height w/mount: 5.70"
Width: 3.30"
Length: 4.75"

721


SPECIFICATIONS

Volts: 24
Lamp: Sealed Beam
Height: 4.75"
Height w/mount: 5.70"
Width: 3.30"
Length: 4.75"

723


SPECIFICATIONS

Volts: 12
Lamp: Sealed Beam
Height: 5.28"
Height w/mount: n/a"
Width: 3.75"
Length: 5.28"

728


Rear Stud
SPECIFICATIONS

Volts: 24
Lamp: Sealed Beam
Height: 5.28"
Height w/mount: n/a"
Width: 3.75"
Length: 5.28"

731


SPECIFICATIONS

Volts: 12
Lamp: Sealed Beam
Height: 4.80"
Height w/mount: 6.15"
Width: 2.70"
Length: 4.80"

732


SPECIFICATIONS

Volts: 24
Lamp: Sealed Beam
Height: 4.80"
Height w/mount: 6.15"
Width: 2.70"
Length: 4.80"

736


SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 4.44"
Height w/mount: 5.00"
Width: 3.60"
Length: 6.20"

739


SPECIFICATIONS

Volts: 24
Lamp: Halogen
Height: 4.44"
Height w/mount: 5.00"
Width: 3.60"
Length: 6.20"

742


SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 4.04"
Height w/mount: 4.96"
Width: 2.93"
Length: 6.84"

743


SPECIFICATIONS

Volts: 24
Lamp: Halogen
Height: 4.04"
Height w/mount: 4.96"
Width: 2.93"
Length: 6.84"

747


SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 5.13"
Height w/mount: 6.75"
Width: 5.12"
Length: 7.25"

758


SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 4.25"
Height w/mount: 5.15"
Width: 2.85"
Length: 4.68"

762

UNIVERSAL HEAD LAMPS

404



SPECIFICATIONS

Volts: 24
Lamp: Halogen
Height: 4.25"
Height w/mount: 5.01"
Width: 2.86"
Length: 4.69"

768



SPECIFICATIONS

Volts: 12
Lamp: Halogen
Height: 4.10"
Height w/mount: 5.15"
Width: 3.97"
Length: 4.62"

770



SPECIFICATIONS

Volts: 48
Lamp: LED
Height: 3.75"
Height w/mount: 5.15"
Width: 3.25"
Length: 5.50"

775



SPECIFICATIONS

Volts: 24
Lamp: Halogen
Height: 4.10"
Height w/mount: 5.15"
Width: 3.97"
Length: 4.62"

778



SPECIFICATIONS

Volts: 12-80
Lamp: LED
Height: 4.65"
Height w/mount: 5.75"
Width: 2.94"
Length: 4.65"

780



SPECIFICATIONS

Volts: 12
Lamp: LED
Height: 5.00"
Height w/mount: 6.20"
Width: 2.80"
Length: 5.00"

790



SPECIFICATIONS

Volts: 12-80
Lamp: LED
Height: 4.30"
Height w/mount: 5.40"
Width: 4.30"
Length: 3.40"

794

12 VOLT

Part#	Lamp
610	Halogen
620	Sealed Beam
630	Halogen
635	Halogen
650	Halogen
673	Halogen
678	Halogen
684	Sealed Beam
693	Halogen
694	Halogen
695	Sealed Beam
710	Halogen
716	Sealed Beam
721	Sealed Beam
728	Sealed Beam
732	Sealed Beam
739	Halogen
743	Halogen
758	Halogen
762	Halogen
770	Halogen
790	LED

12-80 VOLT

Part#	Lamp
605	(12-24) LED
775	(12-48) LED
780	(12-80) LED
794	(12-80) LED

24 VOLT

Part#	Lamp
640	Sealed Beam
719	Sealed Beam
723	Sealed Beam
731	Sealed Beam
736	Sealed Beam
742	Halogen
747	Halogen
768	Halogen
778	Halogen

36 VOLT

Part#	Lamp
660	Sealed Beam























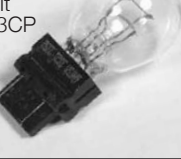













48 VOLT

Part#	Lamp
670	Sealed Beam

REPLACEMENT BULBS

Light Bulbs Sold In Sets of Ten

405

1034 12 Volt 32/4CP 	1073 12 Volt 32CP 	1076 12 Volt 32CP 	1141 12 Volt 21CP 	1156 12 Volt 32CP 
1157 12 Volt 32/3CP 	1195 12 Volt 50CP 	1229 12 Volt 15CP 	1893 12 Volt 2CP 	194 12 Volt 2CP 
2057 12 Volt 32/2CP 	22112-40171 12 Volt 35/35W 	3024-10 24 Volt 10W 	3024-21 24 Volt 21W 	3024-21-5 24 Volt 21W/5W 
3024-35 24 Volt 35W 	3036-25 36 Volt 25W 	3036-25-10 36 Volt 25W/10W 	3036-8 36 Volt 8W 	3048-10 48 Volt 10W 
3048-25 48 Volt 25W 	3048-25-10 48 Volt 25W/10W 	3157 12 Volt 32.0/3CP 	37 12 Volt 1.2W 	3EB-55-14120 12 Volt 50CP 
53 12 Volt 1CP 	57 12 Volt 2CP 	67 12 Volt 4CP 	73 12 Volt 1.1W 	795 12 Volt 50W 
97 12 Volt 4CP 	Halogen Bulb 881 12 Volt 37W 43CP 	Halogen Bulb 894 12 Volt 37.5W 43CP 	Halogen Bulb H-3 (12 Volt 55W) H-3-36 (36 Volt 55W) H-3-48 (48 Volt 55W) 	Sealed Beam 4411 4350 12 Volt 36 Volt 4589 4340 24 Volt 48 Volt 
Halogen Bulb 862 12 Volt 37W 60CP 				

Part# 862, 881, 894, H-3 and "Sealed Beam" sold individually

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OEM REPLACEMENT LIGHTING

406

HYSTER



Head Lamp (36 volt)
1340842

HYSTER



Head Lamp (48 volt)
1340843

HYSTER



Head Lamp (48 volt)
2302441

HYSTER



Head Lamp (36 volt)
2304780

KOMATSU



Head Lamp (12 Volt)
300-06-31802

KOMATSU



Rear Lamp (12 Volt)
34B-55-15221

KOMATSU



Rear Lamp (12 Volt)
34B-55-16620

KOMATSU



Rear Lamp (12 Volt)
34C-55-22210

KOMATSU/KALMAR AC



Rear Lamp (12 Volt)
37A-1AE-1010 / 4949715

KOMATSU/KALMAR AC



Head Lamp (12 Volt)
37B-1AE-1010 / 4943279

KOMATSU/KALMAR AC



Head Lamp (12 Volt)
37B-1AE-2010 / 4943280

KOMATSU/KALMAR AC



Rear Lamp (12 Volt)
37B-1AE-3010 / 4945022

KOMATSU/KALMAR AC



Head Lamp (12 Volt)
37B-1EA-3010 / 8762623

KOMATSU/KALMAR AC



Rear Lamp
37B-1EB-3010 / 8761802

KOMATSU/KALMAR AC



Front Lamp (12 Volt)
37B-1EH-2010 / 4949757

KOMATSU/KALMAR AC



Front Lamp (12 Volt)
37B-1EH-2011 / 8779163

KOMATSU/KALMAR AC



Lens
3EB-55-12321 / 4943232

MITSI / CAT



Head Lamp (12 Volt)
05101-05400

MITSI / CAT



Lens
05153-03200

MITSI / CAT



Lens Set
05153-08200

MITSI / CAT


Rear Lamp (12 Volt)
05153-18502

MITSI / CAT


Rear Lamp (12 Volt)
05153-22900

MITSI / CAT


Rear Lamp (12 Volt)
91305-01801

NISSAN


Head Lamp (12 Volt)
26010-01H01

NISSAN


Head Lamp (36 volt)
26010-41H00

NISSAN


Head Lamp (12 Volt)
26010-FE300

NISSAN


Front Lamp (12 Volt)
26120-01H01

NISSAN


Front Lamp (12 Volt)
26120-51K00

NISSAN


Front Lamp (12 Volt)
26125-11H10

NISSAN


Front Lamp (12 Volt)
26130-41H10

NISSAN


Lens, Rear Lamp
26520-50K02

NISSAN


Lens, Rear Lamp
26520-90K00

NISSAN


Rear Lamp (12 Volt)
26550-0K005

NISSAN


Rear Lamp (36 volt)
26550-1K005

NISSAN


Rear Lamp (12 Volt)
26550-50K02

TCM


Front Lamp (12 Volt)
21232-40351

TCM


Rear Lamp (12 Volt)
214A2-40203

TCM


Lens
214A2-42162

TCM


Head Lamp (12 Volt)
216G2-40602

TCM


Rear Lamp (12 Volt)
216G2-40701

OEM REPLACEMENT LIGHTING

408

TCM



Lens
216G2-40731

TCM



Head Lamp (12 Volt)
22112-40902B

TCM



Head Lamp (12 Volt)
229F2-42221

TCM



Front Lamp (12 Volt)
23652-42301B

TCM



Rear Lamp (12 Volt)
23659-30101

TCM



Head Lamp (12 Volt)
23659-32051

TOYOTA



Head Lamp (48 Volt)
56510-13200-71

TOYOTA



Head Lamp (36 Volt)
56510-13300-71

TOYOTA



Head Lamp (12 Volt)
56510-22000-71

TOYOTA



Head Lamp wo/Plug (12 Volt)
56510-U2000-71

TOYOTA



Head Lamp W/Plug (12 Volt)
56510-U2230-71

TOYOTA



Lens
56602-23000-71

TOYOTA



Lens
56604-23000-71

TOYOTA



Front Lamp (48 Volt)
56610-13200-71

TOYOTA



Lamp (36 Volt)
56610-13300-71

TOYOTA



Rear Lamp (12 Volt)
56610-20542-71

TOYOTA



Lamp, Flasher (12 Volt)
56610-22000-71

TOYOTA



Front Lamp (12 Volt)
56610-23000-71

TOYOTA



Rear Lamp (24 Volt)
56620-23000-71

TOYOTA



Rear Lamp (24 Volt)
56620-23060-71

TOYOTA



Rear Lamp (36 Volt)
56630-13300-71

TOYOTA



Rear Lamp (12 Volt RH)
56630-23321-71

TOYOTA



Rear Lamp (12 Volt)
56630-23600-71

TOYOTA



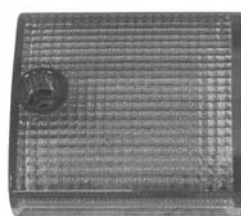
Rear Lamp (12 Volt)
56630-26600-71

TOYOTA



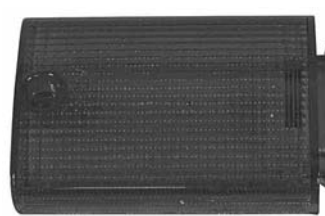
Rear Lamp (24 Volt RH)
56630-30511-71

TOYOTA



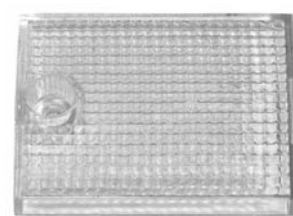
Lens (Amber)
56634-23320-71

TOYOTA



Lens (Red)
56635-23320-71

TOYOTA



Lens (Clear)
56636-23320-71

TOYOTA



Rear Lamp (48 Volt)
56640-13300-71

TOYOTA



Rear Lamp (12 Volt LH)
56640-23320-71

TOYOTA



Rear Lamp (12 Volt)
56640-26600-71

TOYOTA



Rear Lamp (12 Volt LH)
56640-30510-71

TOYOTA



Rear Lamp (12 Volt)
56660-20540-71

TOYOTA



Front Lamp (12 Volt)
56690-23320-71

YALE



Head Lamp (12 Volt)
1500194-01

YALE



Head Lamp (36 Volt)
5187966-91

YALE



Head Lamp (48 Volt)
5187966-97

YALE



Head Lamp (36 Volt)
5200646-01



YALE



Head Lamp (48 Volt)
5200646-02

O.E.M. MIRRORS & BRACKETS

410

DOOSAN  SPECIFICATIONS Height: 7" Width: 3 3/4" D130101	DOOSAN  SPECIFICATIONS Height: 9 7/8" Width: 5 9/32" D131047	HYSTER  SPECIFICATIONS Height: 5 1/8" Width: 7 1/8" 1301286	KOMATSU/KALMAR AC  SPECIFICATIONS Height: 8" Width: 4 5/8" 3EB-55-13571 / 4966092
MITSI / CAT  SPECIFICATIONS Height: 9 1/8" Width: 5 1/2" 91404-11500	NISSAN  SPECIFICATIONS Height: 6 1/4" Width: 3 7/8" 96303-11H00	NISSAN  SPECIFICATIONS Height: 8" Width: 4 5/8" 96303-6G000	TCM  SPECIFICATIONS Height: 9 1/8" Width: 5 1/2" 239A9-92001
TOYOTA  SPECIFICATIONS Height: 7 7/8" Width: 4" 58710-20540-71	TOYOTA  SPECIFICATIONS Height: 8" Width: 4 5/8" 58720-23000-71	TOYOTA  SPECIFICATIONS Height: 8" Width: 4 5/8" 58720-23320-71 / 58720-26600-71	YALE  SPECIFICATIONS Height: 5 1/8" Width: 7 1/8" 5059755-39
MITSI / CAT Left Hand Mirror Bracket  91A15-00800	MITSI / CAT Right Hand Mirror Bracket  91A15-00900	TOYOTA Left Hand Mirror Bracket  58731-23600-71	TOYOTA Right Hand Mirror Bracket  58732-23600-71

 <p>SPECIFICATIONS Height: 5" Width: 5"</p>	 <p>SPECIFICATIONS Height: 7 1/2" Width: 7 1/2"</p>	 <p>SPECIFICATIONS Height: 6" Width: 6"</p>	 <p>SPECIFICATIONS Height: 5" Width: 5"</p>
7305	7307	7308	7310
 <p>SPECIFICATIONS Height: 8" Width: 8"</p>	 <p>SPECIFICATIONS Height: 7 1/2" Width: 6"</p>	 <p>SPECIFICATIONS Height: 8 1/2" Width: 4 1/2"</p>	 <p>SPECIFICATIONS Height: 8" Width: 4 5/8"</p>
7311	7370	7380	7390
 <p>SPECIFICATIONS Height: 6 1/4" Width: 3 7/8"</p>	 <p>SPECIFICATIONS Height: 8" Width: 4 5/8"</p>		
7395	7490	7325	7430
			
HL-BRACKET			

OEM LIGHTING BRACKETS & GUARDS

412

CLARK



2802437

CLARK



925591

DOOSAN



D147642

DOOSAN



D147661

DOOSAN



D147662

HYSTER



1354105

HYSTER



1356121

HYSTER



1356325

HYSTER



1364264

HYSTER



1364265

HYSTER



1375171

HYSTER



1375172

HYSTER



355401

HYSTER



355402

HYSTER



878185

KOMATSU/KALMAR AC



3EB-51-25240 / 4949544

KOMATSU



3EB-51-A5510

MITSI / CAT



91205-22300

MITSI / CAT



91206-11102

MITSI / CAT



91206-30800

MITSI / CAT


91206-30900

MITSI / CAT


91A06-01100

MITSI / CAT


91A06-01200

MITSI / CAT


91A06-08800

MITSI / CAT


91A06-08900

MITSI / CAT


93004-00900

MITSI / CAT


97G04-01300

MITSI / CAT


97G04-01400

NISSAN


26042-6G000

NISSAN


26092-6G000

NISSAN


26311-34H01

NISSAN


26311-8G001

NISSAN


26311-91H00

NISSAN


26311-L9061

NISSAN


26316-34H01

NISSAN


26316-91H00

NISSAN


26316-L9061

NISSAN


26335-00H00

TCM


514A5-10501

TOYOTA


56501-12241-71

OEM LIGHTING BRACKETS & GUARDS

414

TOYOTA  56501-13200-71	TOYOTA  56501-13300-71	TOYOTA  56501-13310-71	TOYOTA  56501-22000-71
TOYOTA  56501-22800-71	TOYOTA  56501-23000-71	TOYOTA  56501-23001-71	TOYOTA  56501-23320-71
TOYOTA  56501-23600-71	TOYOTA  56501-U1160-71	TOYOTA  56501-U1281-71	TOYOTA  56501-U1301-71
TOYOTA  56501-U2160-71	TOYOTA  56502-13200-71	TOYOTA  56502-13310-71	TOYOTA  56502-22800-71
TOYOTA  56502-23000-71	TOYOTA  56502-23001-71	TOYOTA  56502-23320-71	TOYOTA  56502-23600-71

TOYOTA



56502-U1160-71

TOYOTA



56502-U1281-71

TOYOTA



56502-U1301-71

TOYOTA



56502-U2160-71

TOYOTA



56503-22800-71

TOYOTA



56504-22800-71

TOYOTA



56506-13300-71

TOYOTA



56506-23000-71

TOYOTA



56507-13300-71

TOYOTA



56508-U1161-71

TOYOTA



56603-23470-71

TOYOTA



56605-22750-71

TOYOTA



56606-12810-71

TOYOTA



58702-U2100-71

TOYOTA



67803-23000-71

TOYOTA



67804-23000-71

UNIVERSAL



HL-BRACKET

YALE



5187966-09

YALE



5187966-74

YALE



5188016-06

OEM LIGHTING BRACKETS & GUARDS

416

YALE



5188016-99

YALE



5200451-22

YALE



5800001-18

YALE



9000032-57

YALE



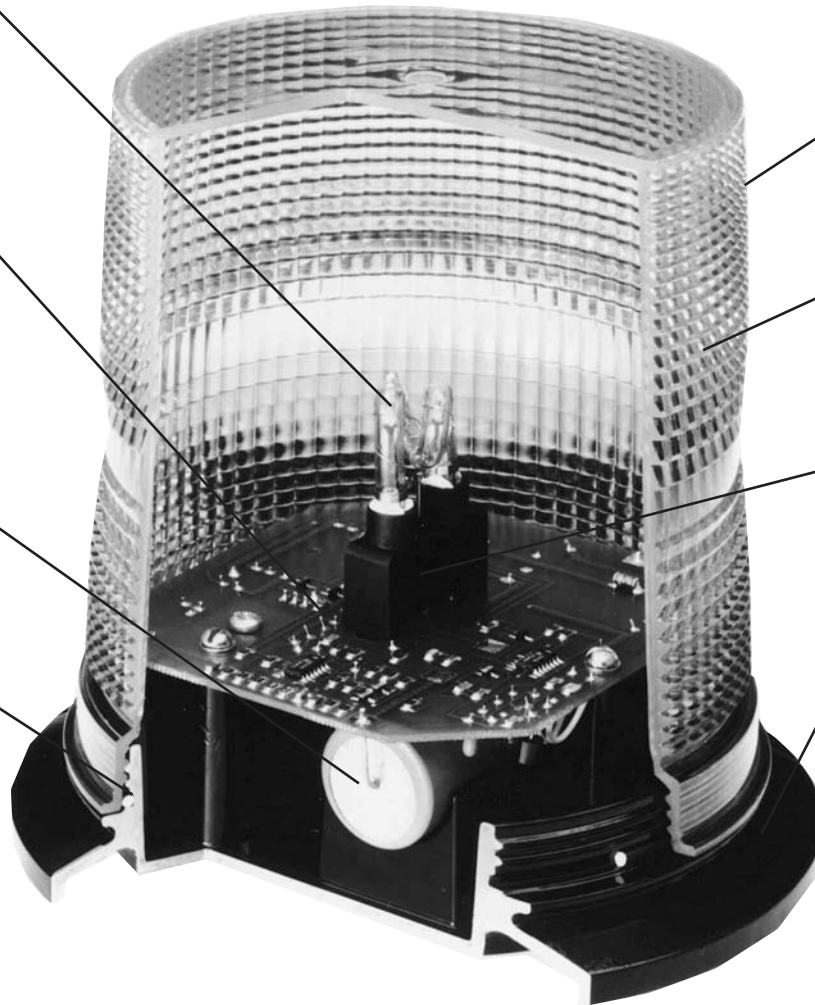
9000032-58

Unique, new flash tube connector design eliminates corrosion and vibration failures.

Surface-mount **technology** means compact design and unsurpassed reliability.

The **die-cast aluminum cradle** dissipates heat and secures the capacitor for extended life on the 3400, 3600 and 3800 series.

Threaded, screw-on **lens with O-ring seal** keeps moisture out.



Computer-designed polycarbonate lens for optimum light emission. High impact, break resistant.

Simple four-piece design eliminates downtime with field-replaceable components.

Flash tube snaps in, making replacement quick and easy – no tools required!

One piece die-cast aluminum base for easy mounting. Includes integral 1" pipe mount on the 3400, 3600 and 3800 series.

4240 & 4260 Series

This innovative series of strobe lights combines the latest in electronic design, state-of-the-art engineering and surface mount technology. Each model handles both 12 and 24 volt systems, minimizing inventory. The rugged, die cast aluminum base re-

sists vibration and dissipates heat. No tools are needed to remove the threaded, O-ring sealed lens. Conforms to SAE J1318 Apr 88.

3300 Series

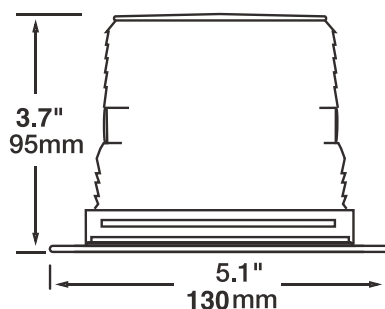
Small but powerful, this high-quality, competitively priced strobe light is built to last. Superior optics direct light more uniformly. The flash tube and power supply are field replaceable. New electronic design permits the 3300 to be used in demanding applications where low cost, size

and durability are essential. An excellent choice for the material-handling industry. This quality strobe is designed for 12, 24, 36 and 48 volt systems.

PRECO SAFETY LIGHTS

418

Polarity protected • Spike protected • Internal safety fuse • 24-month warranty on strobe (6 months for flash tube) • Stainless steel mounting hardware included to prevent corrosion
• Field-replaceable power supply and flash tube. • The listed candlepower is measured using an amber lens. • Candlepower will vary when using a different color lens.

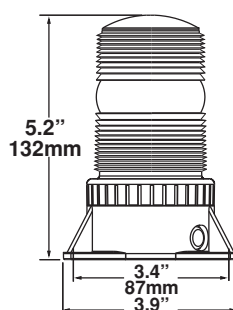


- 12-110 volt systems
- 80 single flashes per minute
- 200,000 candlepower output
- 1.5 joule energy level
- .025 amp current draw on 12 volt systems
- 0.08 amp current draw on 48 volt systems
- 3 watts input power
- U-shaped xenon flash tube
- Durable polycarbonate base
- Standard flat mount

Optional Magnetic
Mounting Kit
MK3318

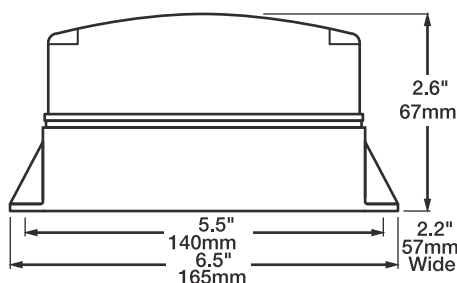
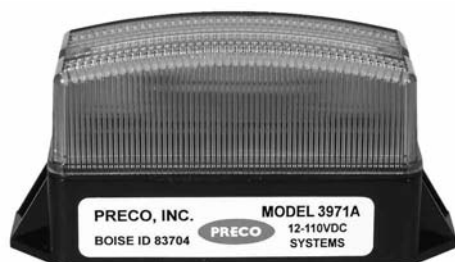


Amber 3318A	Blue 3318B	Clear 3318C	Green 3318G	Red 3318R	Replacement Bulb FT3318	STROBE LAMP
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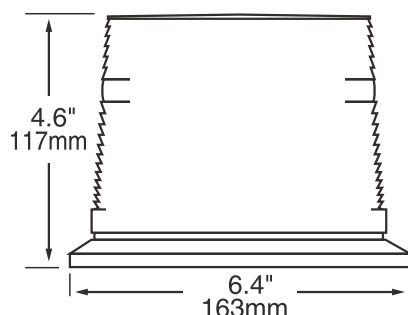
- 12-80 volt systems
- 85 single flashes per minute
- Single flash pattern
- 1.5 joule energy level
- 2-hole mounting
- Screw on lens
- Field replaceable flash tube
- 24 month warranty (6-month flash tube)

Amber 3951A	Blue 3951B	Clear 3951C	Green 3951G	Red 3951R	Replacement Bulb FT3951	STROBE LAMP
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- Color: Amber
- Multi-voltage strobe 12-110 volt systems
- 60 ± 10 flashes per minute
- 100,000 candlepower
- 3 watts
- 2 joule energy level
- High-energy, solid state circuitry
- Universal mounting
- 5.5" Long x 2.25" Wide x 2.625" High
- 2-hole mounting
- Replaceable xenon flash tube
- O-ring provides weather proof seal
- 12-month warranty (except flash tube)

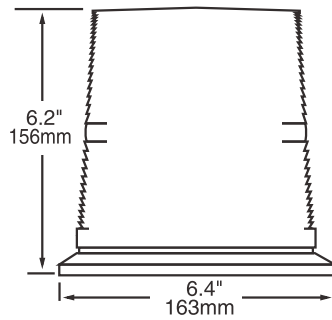
Amber 3971A	Blue 3971B	Clear N/A	Green N/A	Red N/A	Replacement Bulb FT3971	Single Flash Low Profile Strobe
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- 12 and 24 volt systems
- 80 double flashes per minute
- 1 million candlepower output
- 8 joule energy level
- 1.0 amp current draw on 12 volt systems
- 0.5 amp current draw on 24 volt systems
- 10 watts input power
- Conformal coated power supply
- 1 1/2-turn xenon flash tube
- Rugged, die-cast aluminum base for vibration resistance and heat dissipation
- Standard flat mount and 1" pipe mount combination
- Meets SAE J578 May 88 and SAE J1318 Apr 88

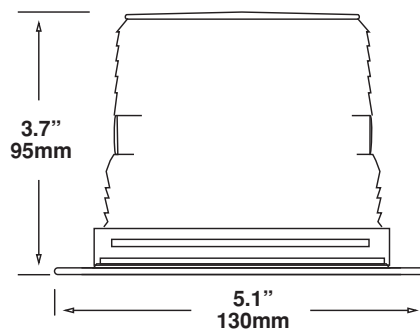
Amber 4241A	Blue 4241B	Clear 4241C	Green 4241G	Red 4241R	Replacement Bulb FT4200	STROBE LAMP
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- Polarity protected • Spike protected • Internal safety fuse • 24-month warranty on strobe (6 months for flash tube) • Stainless steel mounting hardware included to prevent corrosion
- Field-replaceable power supply and flash tube. • The listed candlepower is measured using an amber lens. • Candlepower will vary when using a different color lens.



- 12 and 24 volt systems
- 80 double flashes per minute
- 1.5 million candlepower output
- 12 joule energy level
- 2.0 amp current draw on 12 volt systems
- 1.0 amp current draw on 24 volt systems
- 24 watts input power
- Conformal coated power supply
- 1 1/2-turn xenon flash tube
- Rugged, die-cast aluminum base for vibration resistance and heat dissipation
- Standard flat mount and 1" pipe mount combination
- Meets SAE J578 May 88 and SAE J1318 Apr 88

Amber 4261A	Blue 4261B	Clear 4261C	Green 4261G	Red 4261R	Replacement Bulb FT4200	STROBE LAMP
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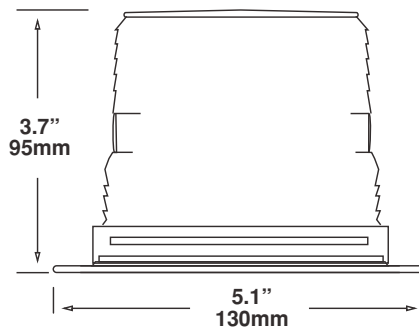
- 12 - 80 volt systems
- 0.18-0.5 Amps SAE class
- Flange mounting system
- 8 short pulses create a single flash
- 66(x8) single flashes per minute
- Enhanced thermo-dynamic design
- Encapsulated circuit board
- 5 year warranty

Optional Magnetic
Mounting Kit
MK3318



* All lenses are clear

Amber LED 6460A	Blue LED 6460B	White LED 6460W	Green LED 6460G	Red LED 6460R	LED BEACON LAMP
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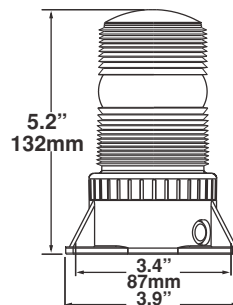
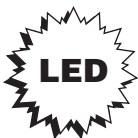
- 12 - 80 volt systems
- 0.18-0.5 Amps
- Flange mounting system
- Steady burn lighting
- Enhanced thermo-dynamic design
- Encapsulated circuit board
- 5 year warranty

Optional Magnetic
Mounting Kit
MK3318



* All lenses are clear

Amber LED 7313A	Blue LED 7313B	White LED 7313C	Green LED 7313G	Red LED 7313R	LED BEACON LAMP
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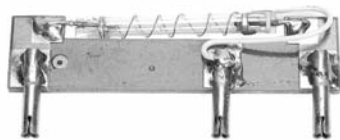


- 12 - 80 volt systems
- 0.3 Amps
- 3 watt side side emitting LED and quad flash
- 75 (Quad) flashes per minute
- Maintenance free
- Mount flange
- Multiple color configurations
- SAE class 3 (amber only)
- 5 year warranty

Amber 7412A	Blue 7412B	Clear 7412C	Green 7412G	Red 7412R	LED STROBE LAMP
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PRECO FLASH TUBES

420



FT3318



FT3950



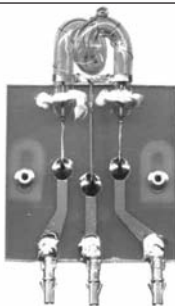
FT3951



FT3971



FT4200



FT4760

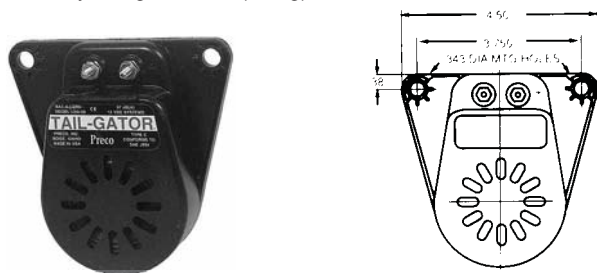


FT4780

PRECO STROBE REPLACEMENT PARTS

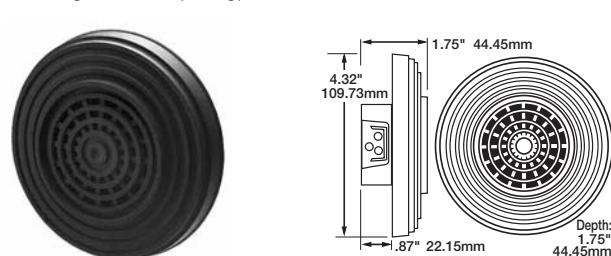
Replacement Part	3318	3421	3950	3951	3971	4240	4260
Amber Lens	LA3318	LA3421	LA3950	LA3951	LA3971	LA4240	LA4260
Blue Lens	LB3318			LB3951	LB3971	LB4240	LB4260
Clear Lens	LC3318			LC3951		LC4240	LC4260
Green Lens	LG3318			LG3951			
Red Lens	LR3318			LR3951		LR4240	LR4260
Dust Cover		DC4260				DC4240	DC4260
Branch Guard		BG4260				BG4240	BG4260
Xenon Flash Tube	FT3318	FT3864	FT3950	FT3951	FT3971	FT4200	FT4200
Magnetic Base Kit / Cigar Plug	MK3318	MK4200				MK4200	MK4200
Vacuum Mag Base Kit / Cigar Plug		MK4000				MK4000	MK4000
High Polycarbonate Skirt		HB4280				HB4280	HB4280
Foam gasket		FG4200				FG4200	FG4200
Black Top		BT4000				BT4000	BT4000
O-Ring Replacement		OR4200				OR4200	OR4200
Square Ring					SR3970		
Shock Mount	SM4200	SM4200				SM4200	SM4200

LDA 50 The PRECO Tail Gator® has set the quality standard for more than 25 years. Satisfied customers have made it the best-selling alarm in the industry. Weight: 12 oz. (454 g).



Part#	Decibels	Volt System	SAE J994 Type
LDA 50	97	12	C

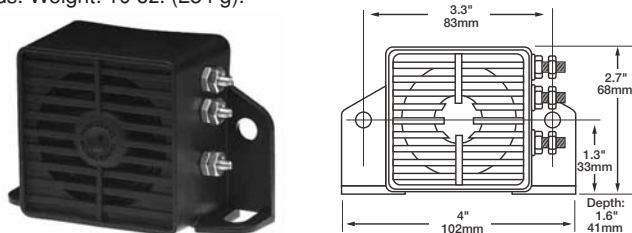
40 Series These flush mount alarms fit into any 40-series round hole & require no tools for installation. They utilize industry-standard grommets & pigtails. Weight: 12 oz. (341 g).



Part#	Decibels	Volt System	SAE J994 Type
4030	97	12	C
4030K	97	12	C
4050	102	12-24	D
4050K	102	12-24	D

4030K and 4050K includes grommet and pigtail

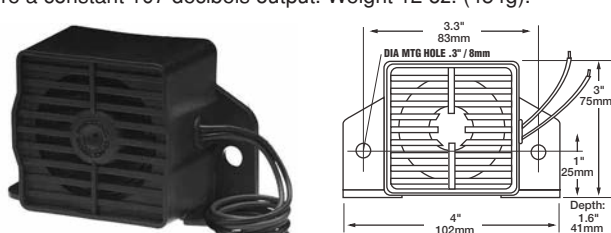
200 Series Prevent battery failure by alerting vehicle operators of critically low battery voltage conditions with a distinct tone. This multifunction, dual-tone, warning device doubles as a 97 decibel alarm while monitoring battery voltage. This alarm has #8-32 UNC terminal studs. Weight: 10 oz. (284 g).



Part#	Decibels	Volt System	SAE J994 Type
230LV	97	12	C
240LV	97	24	C

Alerts to low battery conditions

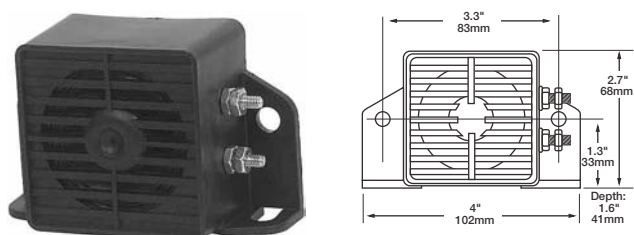
200 Series This compact, high sound level alarm is specifically designed for 107 decibels. This solid state alarm is polarity protected. The 270 alarm has an approximate current draw of 0.5 amps. Self resonating circuitry automatically adjusts to environmental conditions to ensure a constant 107 decibels output. Weight 12 oz. (454g).



Part#	Decibels	Volt System	SAE J994 Type
270-ALARM	107	12-24	B

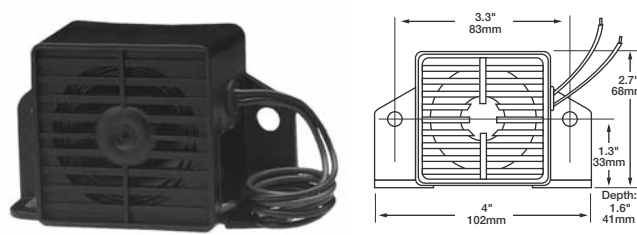
High Sound Level

200 Series Field-proven dependability has thrust the 200 Series alarms into the highest demand category of any low sound level alarm on the market. Weight: 10 oz. (284 g).



Part#	Decibels	Volt System	SAE J994 Type
220	87	12	D
225	87	12-24	D
230	97	12	C
240	97	12-24	C
250	102	12-24	F

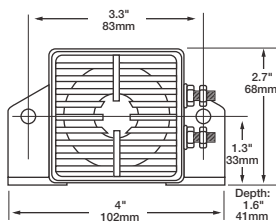
200 Series Standard terminal studs are replaced by wire leads. The 18 gauge wires are 12" (300 mm) nominal in length. Black: Negative. Red: Positive. Weight: 10 oz. (284 g)



Part#	Decibels	Volt System	SAE J994 Type
250C	102	12-24	F

High Sound Level

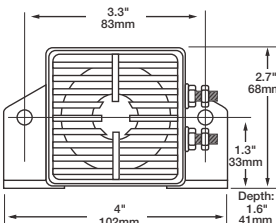
200 Series Field-proven dependability has thrust the 200 Series alarms into the highest demand category of any low sound level alarm on the market. Weight: 10 oz. (284 g).



Part#	Decibels	Volt System	SAE J994 Type
230GS	97	12	C
240GS	97	12-24	C
250GS	102	12-24	F

Self-Grounding

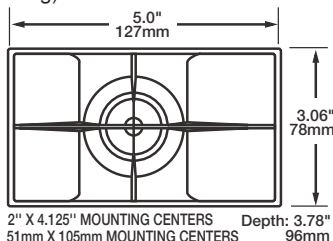
200 Series Specifically designed for electric powered vehicles, the ELT 248, ELT 278 and ELT 280 provide voltage and decibel options at minimal cost. Weight: 10 oz. (284 g).



Part#	Decibels	Volt System	SAE J994 Type
248	97	12-48	C
278	87	12-72	D
280	97	12-80	C

ELT 248 and ELT 278 are U.L. listed for electric vehicles and forklifts

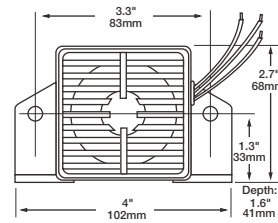
1059 Dual Function / Dual Sound Self-adjusts automatically to 10 decibels above the surrounding noise, thus reducing irritation for operators and workers. Excellent for refuse and utility trucks where more than 1 function is required. Weight: 1 lb. 8 oz. (681 g).



Part#	Decibels	Volt System	SAE J994 Type
1059	82-112	12-24	A-F

First function is a back-up alarm sound - 82-112 decibels
Second function is a warble sound - 112 decibels

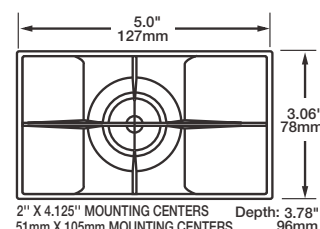
200 Series The Night Silent Alarm is designed for use at night time in sound sensitive areas as mandated. The feature disengages the backalarm when voltage is applied to the blue wire either via a dash toggle or wired to the headlights. Weight: 10 oz. (284 g).



Part#	Decibels	Volt System	SAE J994 Type
240CS	97	12-24	C

3 wire Leads

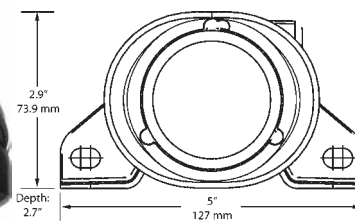
300 Series Versatile, durable housing allows optimum value for these medium sound level alarms. Universal mounting provides vertical or horizontal mounting options. Weight 1 lb. 8 oz. (681 g).



Part#	Decibels	Volt System	SAE J994 Type
360	107	12-24	B
370	97 & 107	12-24	B & C
380	112	12-24	A
390	107 & 112	12-24	A & B

360,380 Single sound level / 370,390 Protected manually adjustable sound

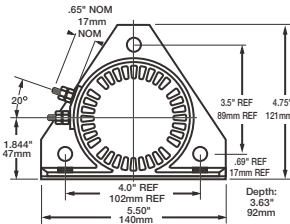
3000 Series The 3000 Series alarm exceeds industry standards and provides you with an accurate back-up alarm that produces an audible warning that is superior to the +/- 4 dB of competitors and SAE requirements.



Part#	Decibels	Volt System	SAE J994 Type
3002	97 & 107	12-36	C & F

3002-Wire Leads, 3003-Studs. Manually adjustable sound

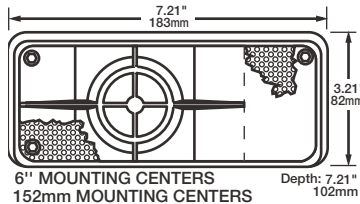
45A/45AA One of the most rugged, heavy-duty alarms on the market. These alarms are designed to withstand the most punishing environments. They have #8-32 UNC terminal studs on the back of the unit. Used by major OEMs. Weight: 1 lbs. 8 oz. (680 g).



Part#	Decibels	Volt System	SAE J994 Type
45A	107	12-24	B
45AA	87 & 107	12-24	B & D

45A Single sound level / 45AA Manually adjustable sound - fingertip control

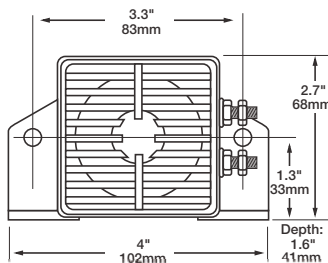
100 Series One of the most rugged, heavy-duty alarms on the market. These alarms are designed to withstand the most punishing environments. Weight: 2 lbs. 4 oz. (1.02 kg)



Part#	Decibels	Volt System	SAE J994 Type
109	97 & 107	12-24	B & C
110	112	12-24	A
112	97, 107, & 112	12-36	A, B & C

**109 Two sound level / 110 Single sound level
111 Protected manually adjustable sound / 112 Manually adjustable sound**

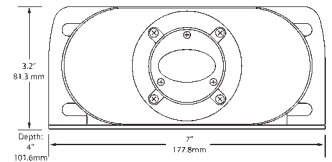
1020 PRECO-MATIC Compact, self-adjusting alarm. Ideal for low sound. Adjusts to a minimum of 5 decibels above the surrounding noise. Rugged and reliable solid state electronics. Weight: 10 oz. (284 g).



Part#	Decibels	Volt System	SAE J994 Type
1020	77-102	12-24	E-F
1028	77-97	12-48	C-E

U.L. listed for electric vehicles and forklifts

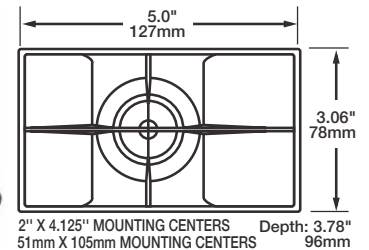
6000 Series H.O.T. Alarm The H.O.T. or High Output Technology Alarm brings together today's sound technology into a robust alarm that has taken the world's best and improved upon it. The H.O.T. alarm has been built to operate within + or - 2 dB of the stated sound level which is 2 dB better than SAE requirements.



Part#	Decibels	Volt System	SAE J994 Type
6002	97, 107 & 112	12-24	A, B & C
6003	97, 107 & 112	12-24	A, B & C
6010	87 to 112	12-24	A-D
6011	87 to 112	12-24	A-D

**6002, 6003 Manually Adjustable Sound
6010, 6011 Self Adjusting**

300 Series These high sound level models are designed for versatility and maximum value. Features "big sound" in a surprisingly small, rugged housing. Weight: 1lb. 8 oz. (681 g)

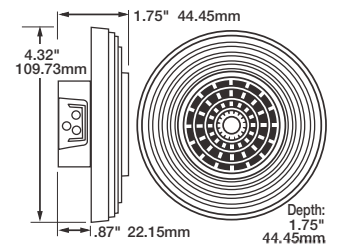


****Wire leads on 360C & 380C Only ****

Part#	Decibels	Volt System	SAE J994 Type
360C	107	12-24	B
380C	112	12-24	A

Single Sound Level

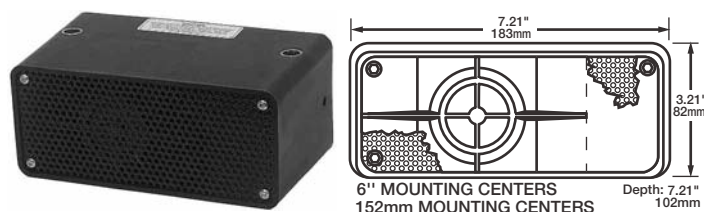
40 Series PRECO-MATIC These flush mount alarms fit into any 40-series round hole and require no tools for installation. They utilize industry-standard grommets and pigtails. These alarms are well-suited for light-duty applications requiring a compact profile. Weight: 12 oz. (341 kg).



Part#	Decibels	Volt System	SAE J994 Type
4028	77-97	12-48	C-E
4028K	77-97	12-48	C-E

**4028 Alarm Only / 4028K Includes grommet and pigtail
4028 and 4028K U.L. listed for electric vehicles and forklifts**

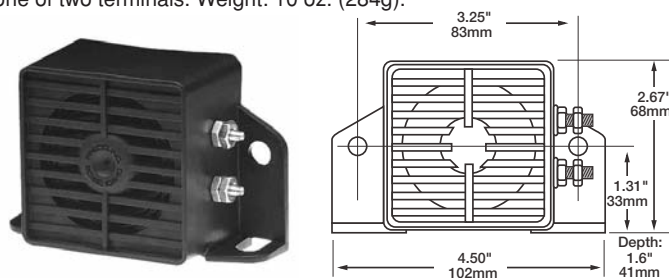
100 Series PRECO-MATIC This rugged, self-adjusting alarm automatically adjusts to 10 decibels above the surrounding noise. OEM design housing mounts on 6" (152 mm) centers. Weight: 2 lbs. 4 oz. (1.02 kg).



Part#	Decibels	Volt System	SAE J994 Type
1060	97-112	12-24	A-C

Self-Adjusting

DS 232 BAC-A-LARM This dual alarm is designed for use in special applications. The pulse rate is selected by applying positive power to one of two terminals. Weight: 10 oz. (284g).

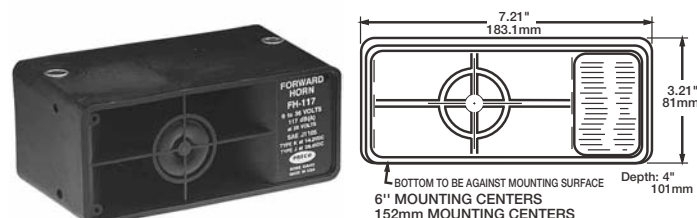


Part#	Decibels	Volt System	SAE J994 Type
DS 232	97	12	C
FS 255	102	12-24	F

FS 255 Single Sound

**Dual Sound Level: 1) Bac-a-larm rate of 80 burst per minute
2) Fast pulse rate of 10 burst per second**

FH 117 The FH 117 electric forward horn is designed to be used where a high decibel, rugged horn is necessary. It can be used for large dump trucks operating in quarries; heavy equipment, such as track vehicles, operating in land fills; mining, earth moving and other level areas where heavy equipment is operating.

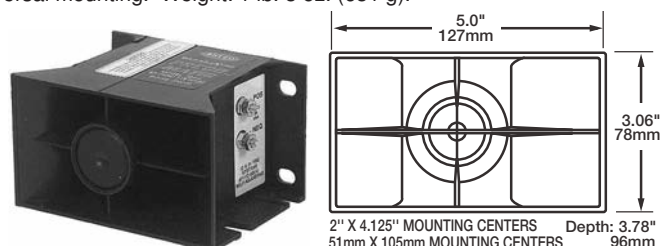


Part#	Decibels	Volt System	SAE J994 Type
FH 117	117	12-24	J & K

Continuous Sound

Type K @ 12V / Type J @ 24V
112db @ 12V / 117db @ 24V

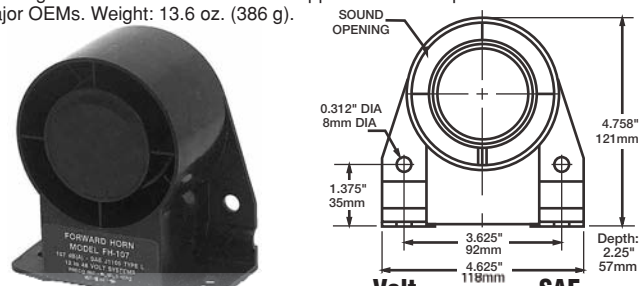
300 Series PRECO-MATIC Our most popular line of self adjusting alarms automatically adjust to 10 decibels above the surrounding noise, thus reducing irritation for operators and workers. Versatile and compact universal mounting. Weight: 1 lb. 8 oz. (681 g).



Part#	Decibels	Volt System	SAE J994 Type
1040	87-112	12-24	A-D
1045	97-112	12-24	A-C
1048	82-107	12-48	B-F

Self-Adjusting

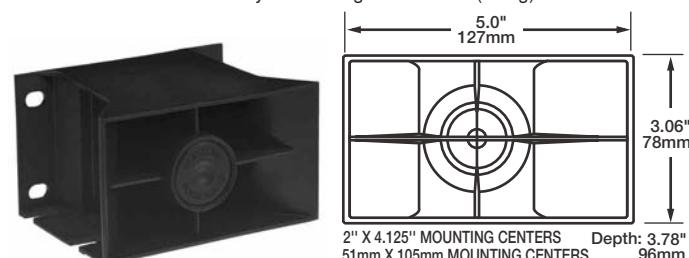
FH 107 The FH107 is a solid state electronic horn designed for extremely long life and replaces high-maintenance electro-mechanical horns. This model is designed to meet or exceed all applicable SAE specifications. Used by major OEMs. Weight: 13.6 oz. (386 g).



Part#	Decibels	Volt System	SAE J994 Type
FH 107	107	12-48	L

Continuous Sound

FH 312 The FH 312 is a solid state electronic horn which is designed for long life. Specifically designed for the material-handling industry, this horn features dual tones to differentiate it from any other. Weight: 1 lb. 8 oz. (681 g).

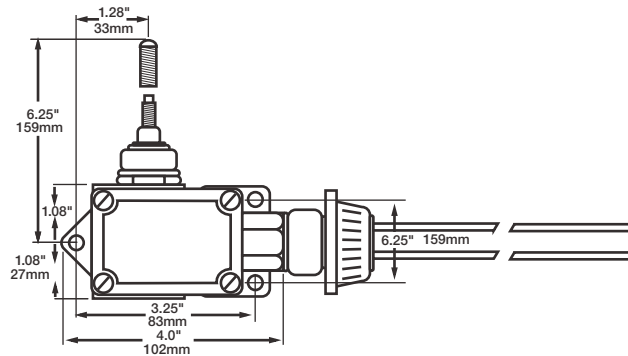


Part#	Decibels	Volt System	SAE J994 Type
FH 312	112	12-60	K

Continuous Sound

UL Recognized for electric vehicles & forklifts

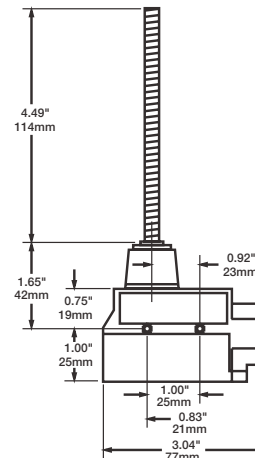
HDS 54/55 Switch These extra heavy-duty switches feature water-tight gaskets, a 5 amp rating and 360° movement. Pigtail included. U.L. and C.S.A. approved. The HDS 54 switch is “normally open” the HDS 55 switch is “normally closed”.



HDS 54 (Normally Open)

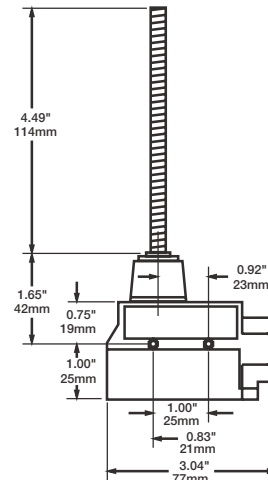
HDS 55 (Normally Closed)

SWM-43C Water-resistant, composite/plastic housing with a 5 amp rating and a full 360° movement. SWM43 Switch can be wired in the field “normally open” or “normally closed.” C.S.A. approval. U.L. recognized. Adjustable mounting bracket included. Used by major OEMs.



SWM-43C (Composite/Plastic)

SW15 This model is water-resistant with a 5 amp rating and a full 360° movement. SWM 43 Switch is “normally open”; or “normally closed”. U.L. and CSA approved. Adjustable mounting bracket included. Used by major OEMs.



SW15

NIKKI STROBE LAMPS

426



Dimensions: Height 3.6" Dia. 5"
Flash Rate: 62 single flashes per min.
Material: High impact & heat resistant polycarbonate

Environment: -22° F (-30° C) to 140° F (60° C)
Leads: UL Listed 18 Gauge 12" Long
Operating Life: 2,000,000 flashes

51595A
 (Amber)

- Multi-Voltage 12-110 VDC
- Replacement strobe tube
- Mounting hardware included
- Available in red or amber
- 2 joule energy level
- Potted power supply for added protection against vibration and all weather conditions
- Polarity & spike protection

51595R
 (Red)

REPLACEMENT PARTS:

FT515	Strobe Tube
LS515A	Lens (Amber)
LS515R	Lens (Red)



Dimensions: Height 4.5" Dia. 5.75"
Flash Rate: 70±5 single flashes per min.
Material: High impact & heat resistant polycarbonate

Environment: -22° F (-30° C) to 140° F (60° C)
Leads: UL Listed 18 Gauge 12" Long
Operating Life: 2,000,000 flashes

52500A
 (Amber)

- Multi-Voltage 12-110 VDC
- Replacement strobe tube
- Mounting hardware included
- Available in red or amber
- 2 joule energy level
- Potted power supply for added protection against vibration and all weather conditions
- Polarity & spike protection

52500R
 (Red)

REPLACEMENT PARTS:

FT525	Strobe Tube
LS525A	Lens (Amber)
LS525R	Lens (Red)



Dimensions: Height 2.5" Dia. 5.75"
Flash Rate: 70±5 single flashes per min.
Material: High impact & heat resistant polycarbonate

Environment: -22° F (-30° C) to 140° F (60° C)
Leads: UL Listed 18 Gauge 12" Long
Operating Life: 2,000,000 flashes

53850A
 (Amber)

- Multi-Voltage 12-110 VDC
- Replacement strobe tube
- Mounting hardware included
- Available in red or amber
- 2 joule energy level
- Potted power supply for added protection against vibration and all weather conditions
- Polarity & spike protection

53850R
 (Red)

REPLACEMENT PARTS:

FT525	Strobe Tube
LS538A	Lens (Amber)
LS538R	Lens (Red)



Dimensions: Height 5" Dia. 3.875"
Flash Rate: 60±10 single flashes per min.
Material: High impact & heat resistant polycarbonate

Environment: -22° F (-30° C) to 140° F (60° C)
Leads: UL Listed 18 Gauge 12" Long
Operating Life: 2,000,000 flashes

62494A
 (Amber)

- Multi-Voltage 12-110 VDC
- Replaceable flash tube
- Mounting hardware included
- Available in red or amber
- 2 joule energy level
- Potted power supply for added protection against vibration and all weather conditions
- Polarity & spike protection

62494R
 (Red)

REPLACEMENT PARTS:

FT624	Strobe Tube
LS624A	Lens (Amber)
LS624R	Lens (Red)



Dimensions: Height 2.75" Width 2.25" Dia. 5.5"
Flash Rate: 70±5 single flashes per min.
Material: High impact & heat resistant polycarbonate

Environment: -22° F (-30° C) to 140° F (60° C)
Leads: UL Listed 18 Gauge 12" Long
Operating Life: 2,000,000 flashes

72268A
 (Amber)

- Multi-Voltage 12-110 VDC
- Replacement Strobe Tube
- Mounting Hardware Incl.
- Available in Red or Amber
- 2 Joule Energy Level
- Potted Power Supply for added Protection Against Vibration and All Weather Conditions
- Polarity & Spike Protection

72268R
 (Red)

REPLACEMENT PARTS:

FT722	Strobe Tube
LS722A	Lens (Amber)
LS722R	Lens (Red)



Dimensions: Height 5" Dia. 3.875"
Flash Rate: 60±10 single flashes per min.
Material: High impact & heat resistant polycarbonate

Environment: -22° F (-30° C) to 140° F (60° C)
Leads: UL Listed 18 Gauge 12" Long
Operating Life: 2,000,000 flashes

63850A (Amber)
63850B (Blue)
63850C (Clear)
63850G (Green)
63850R (Red)

- 12 - 80 volt systems
- 0.3 Amps
- 3 watt side side emitting LED and quad flash
- 75 (Quad) flashes per minute
- Maintenance free
- Mount flange
- Multiple color configurations
- SAE class 3 (amber only)
- 5 year warranty

REPLACEMENT PARTS:

LS624A	Lens (Amber)
LS624B	Lens (Blue)
LS624C	Lens (Clear)
LS624G	Lens (Green)
LS624R	Lens (Red)



Dimensions: Height 4.30" Width 2.25" Dia. 3.85"
Flash Rate: 70±5 single flashes per min.
Material: High impact & heat resistant polycarbonate

Environment: -22° F (-30° C) to 140° F (60° C)
Leads: UL Listed 18 Gauge 12" Long
Operating Life: 2,000,000 flashes

81592A (Amber)
81592R (Red)

- 6-110VDC No modification required.
- Consumes 90% less power than regular strobe light.
- Cool to the touch, LED's do not generate heat.
- 2 LED configuration.
- 60 flashes per minute.
- Shock & Vibrate proof - self contained unit.

REPLACEMENT PARTS:

LS815A	Lens (Amber)
LS815R	Lens (Red)



Dimensions: Height 4.30" Width 2.25" Dia. 3.85"
Flash Rate: 70±5 single flashes per min.
Material: High impact & heat resistant polycarbonate

Environment: -22° F (-30° C) to 140° F (60° C)
Leads: UL Listed 18 Gauge 12" Long
Operating Life: 2,000,000 flashes

82465A (Amber)
82465R (Red)

- 6-110VDC No modification required.
- Consumes 90% less power than regular strobe light.
- Cool to the touch, LED's do not generate heat.
- 2 LED configuration.
- 60 flashes per minute.
- Shock & Vibrate proof - self contained unit.

REPLACEMENT PARTS:

LS815A	Lens (Amber)
LS815R	Lens (Red)



Dimensions: Height 2.75" Width 2.25" Dia. 5.5"
Flash Rate: 70±5 single flashes per min.
Material: High impact & heat resistant polycarbonate

Environment: -22° F (-30° C) to 140° F (60° C)
Leads: UL Listed 18 Gauge 12" Long
Operating Life: 2,000,000 flashes

82600A (Amber)
82600R (Red)

- 6-110VDC No modification required.
- Consumes 90% less power than regular strobe light.
- Cool to the touch, LED's do not generate heat.
- 2 LED configuration.
- 60 flashes per minute.
- Shock & Vibrate proof - self contained unit.

REPLACEMENT PARTS:

LS722A	Lens (Amber)
LS722R	Lens (Red)

STROBE GUARD



51595-CAGE

STROBE GUARD



62494-CAGE




















UNIVERSAL MOUNTING BRACKET



68000-BRKT

HORNS / HORN PARTS & ACCESSORIES

428

TOYOTA  Button 45121-12471-71	TOYOTA  Button 45121-U2100-71	TOYOTA  Button 45171-12190-71	UNIVERSAL  Button 4520
UNIVERSAL  Button 4521	TOYOTA  Contact 57413-22500-71	TOYOTA  Contact 57415-23600-71	TOYOTA  Contact Plate 45113-22500-71
TOYOTA  Contact Ring 45111-23000-71	TOYOTA  Contact Ring 45112-22002-71	TOYOTA  Contact Ring 45123-23600-71	TOYOTA  Contact Seat 45114-22500-71
TOYOTA  Contact Spring 45124-23600-71	TOYOTA  Cup Plate 45122-23600-71	TOYOTA  Plate 45116-20540-71	TOYOTA  Spring 45112-20540-71
TOYOTA  Spring 45115-22500-71	TOYOTA  Spring 57414-22500-71	TOYOTA  Spring 57414-23600-71	TOYOTA  Washer 45114-20540-71



FEATURES OF NIKKI ALARMS

- 30-month warranty
- Polarity Protected
- Temperature range of -40°F to 165°F
- Sealed in epoxy resistant to water, corrosion, vibrations, and dust
- Operating either on positive or negative ground
- Solid State electronics
- Meet O.S.H.A. Bureau of mines & all state regulations
- Meet or exceed the SAE 994J norm
- Water or steam cleanable

THE NIKKI HAS EVERY SITUATION COVERED

Part#	Decibels	Volts	Part#	Decibels	Volts
812	87	12	841	87	12-48
815	97	12	848	97	12-48
820	87	12-24	880	87	12-80
824	97	12-24			



12-48 Volt 97 decibels

248


12 Volt 110 decibels

510


12-80 Volt 97 decibels

62600


12-24 Volt 97 decibels

875


Diameter .72mm
105 decibels
2 Terminal

12 Volt

12-804

TOYOTA

58120-23470-71


Diameter 100mm
100 decibels Hi-Tone
2 Terminal

12 Volt

12-720

24 Volt

24-720

36 Volt

36-720

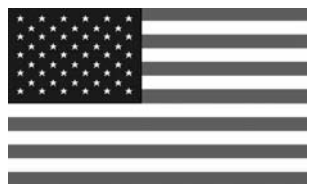
48 Volt

48-720

72 Volt

72-720

COLOR = Red, White, Blue



FLAG-USA

COLOR = Black



H-DAEWOO

COLOR = Black



H-MITSUBISHI

COLOR = White



H-YALE

COLOR = Black



H-CLARK-B

COLOR = Black



H-HYSTER

COLOR = White



H-NISSAN

COLOR = White, Red



V-MITSUBISHI

COLOR = Blue



H-CROWN

COLOR = White



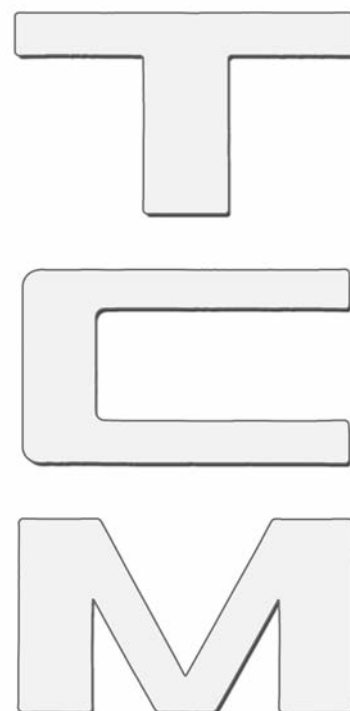
H-KOMATSU

COLOR = Silver



H-TCM

COLOR = White



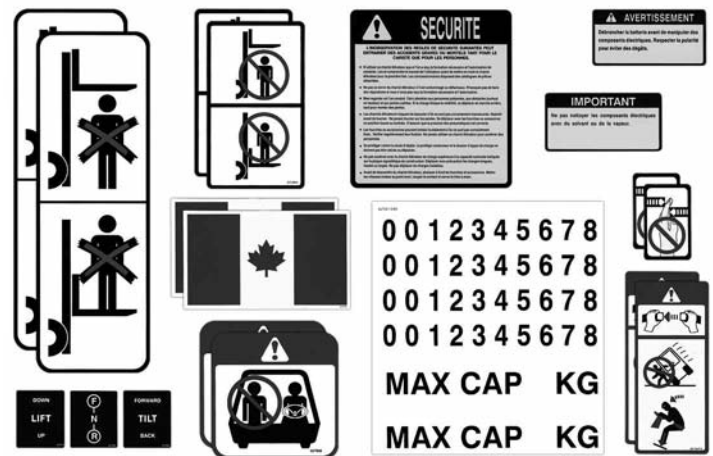
V-TCM

CANADIAN



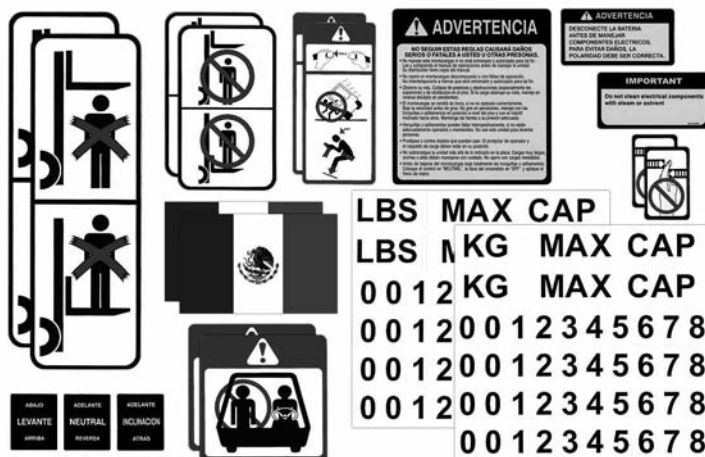
DECAL-KIT-CANADA

FRENCH



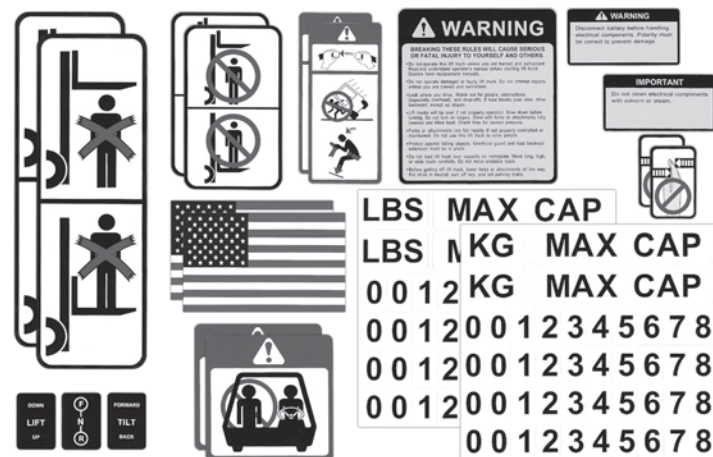
DECAL-KIT-FRENCH

SPANISH



DECAL-KIT-SPANISH

USA



DECAL-KIT-USA

Decal Kit Includes:

- 1pc. Directional (F-R)
- 1pc. Lift (Up-Down)
- 1pc. Tilt
- 1pc. Battery Disconnect
- 1pc. Caution
- 2pc. Fork Warning (LG)
- 2pc. Fork Warning (SM)
- 2pc. No Hand Hold
- 1pc. Warning Operator
- 2pc. No Rider
- 2pc. Seat Belt
- 2pc. Canadian Flag
- N/A. LB's Capacity Sheet
- 1pc. KG's Capacity Sheet

DECAL-KIT-CANADA

Decal Kit Includes:

- 1pc. Directional (F-R)
- 1pc. Lift (Up-Down)
- 1pc. Tilt
- 1pc. Battery Disconnect
- 1pc. Caution
- 2pc. Fork Warning (LG)
- 2pc. Fork Warning (SM)
- 2pc. No Hand Hold
- 1pc. Warning Operator
- 2pc. No Rider
- 2pc. Seat Belt
- 2pc. Canadian Flag
- 1pc. LB's Capacity Sheet
- 1pc. KG's Capacity Sheet

DECAL-KIT-FRENCH

Decal Kit Includes:

- 1pc. Directional (F-R)
- 1pc. Lift (Up-Down)
- 1pc. Tilt
- 1pc. Battery Disconnect
- 1pc. Caution
- 2pc. Fork Warning (LG)
- 2pc. Fork Warning (SM)
- 2pc. No Hand Hold
- 1pc. Warning Operator
- 2pc. No Rider
- 2pc. Seat Belt
- 2pc. Mexican Flag
- 1pc. LB's Capacity Sheet
- 1pc. KG's Capacity Sheet

DECAL-KIT-SPANISH

Decal Kit Includes:

- 1pc. Directional (F-R)
- 1pc. Lift (Up-Down)
- 1pc. Tilt
- 1pc. Battery Disconnect
- 1pc. Caution
- 2pc. Fork Warning (LG)
- 2pc. Fork Warning (SM)
- 2pc. No Hand Hold
- 1pc. Warning Operator
- 2pc. No Rider
- 2pc. Seat Belt
- 2pc. American Flag
- 1pc. LB's Capacity Sheet
- 1pc. KG's Capacity Sheet

DECAL-KIT-USA



Fuel Prep Year Round Diesel Fuel Conditioner
Ready for use in BioDiesel. ULSD compliant. Eliminates bacterial and fungal growth. Eliminates and disperses sludge. Lubricates fuel system and cleans injectors. Prevents corrosion. Conditions fuel.

Net Content 12 fl. oz.

PR-100012


Fuel Prep Year Round Diesel Fuel Conditioner
Ready for use in BioDiesel. ULSD compliant. Eliminates bacterial and fungal growth. Eliminates and disperses sludge. Lubricates fuel system and cleans injectors. Prevents corrosion. Conditions fuel.

Net Content 32 fl. oz.

PR-100032


Cool Tec® 2 Cooling System Treatment
Cooling system treatment with coolant stabilizer. Eliminates corrosion, scale build-up and retards the formation of solder bloom. Rebuilds and maintains pH levels in recycled coolant. Compatible with all types of antifreeze.

Net Content 12 fl. oz.

PR-1112


Diesel Cooling Treatment
Complete inhibitor package designed exclusively for use in diesel cooling systems. Protects all metals, helps stabilize coolant and helps prevent cavitation erosion/corrosion. Lubricates water pump, reduces downtime and has no harmful effects on rubber parts and gaskets. Compatible with coolant water filters and helps maintain optimum heat transfer levels. (12 fl. oz. treats 4 gal. of coolant.)

Net Content 12 fl. oz.

PR-1816


Winter Pow-R Plus® Diesel Fuel Treatment
ULSD compliant. Prevents gelling of diesel fuel. Prevents ice crystal formation. Reduces cold filter plug point b as much as 30°F. Helps enhance cetane. Helps improve fuel economy. Utilizes HAFI® technology. Improves cold weather starting. Stabilizes and prevents corrosion. Helps reduce emissions. Helps improve lubricity.

Net Content 12 fl. oz.

PR-202012


Winter Pow-R Plus Diesel Fuel Treatment
ULSD compliant. Prevents gelling of diesel fuel. Prevents ice crystal formation. Reduces cold filter plug point b as much as 30°F. Helps enhance cetane. Helps improve fuel economy. Utilizes HAFI® technology. Improves cold weather starting. Stabilizes and prevents corrosion. Helps reduce emissions. Helps improve lubricity.

Net Content 32 fl. oz.

PR-202032


Winter Thaw Emergency Diesel Fuel Treatment
Dissolves already gelled fuel fast. Reduces clogging of fuel filters. Prevents ice crystal build-up in fuel lines and filters by discharging moisture. (32 fl. oz. treats up to 25 gal. of fuel.) Eliminates hard starting, pounding, excessive smoking and helps improve combustion. 100% compatible with low sulfur fuel and fuel blends.

Net Content 32 fl. oz.

PR-202132


Pow-R Performance Diesel Fuel Enhancer
Ready for use in BioDiesel. ULSD compliant. Lubricity additive. Cetane improver. Maximizes fuel lubrication. Increases power. Stabilizes stored fuel. Reduces Nox. Cleans injectors. Decreases fuel consumption.

Net Content 32 fl. oz.

PR-204032


Fuel Injector Cleaner
Cleans harmful deposits and carbon from fuel system as you drive. Provides increased power and acceleration, improved idling, quicker starting and reduced emissions. Effective in all types of fuel injected cars and trucks and in all gasolines, gasohols and diesel fuels. (12 fl. oz. treats 10-20 gal. of fuel.)

Net Content 12 fl. oz.

PR-2112


CARBURETOR & CHOKE CLEANER
Helps restore carburetor performance by removing gum, varnish, carbon deposits and dirt build-up. Cleans and frees automatic chokes, carburetor linkage, fuel injection intake systems, manifold heat controls and PCV smog valve.

Net Content 12 fl. oz.

PR-2214


Total Fuel System Cleaner
Total Fuel System Cleaner prevents and cleans deposit buildup better than ordinary cleaners and leading brands. It neutralizes the power robbing effects of combustion chamber deposits. Improves acceleration better than ordinary fuel treatments. Prevents hesitation, sluggishness, stalling and overall poor acceleration. Synthetic technology. Containing Poly Ether Amine (PEA), Total Fuel System Cleaner removes carbon and has the ability to reduce octane requirement by cleaning combustion chambers. Contains chemistry for DIG technology. Use every 3,000 miles to insure optimum engine power and performance.

Net Content 16 fl. oz.

PR-2216


Intake Valve Deposit Cleaner
Reduces intake valve, port and manifold deposits. Improves starting power, driveability and restores performance by removing carbon build-up. Provides upper cylinder lubrication. Helps reduce emissions in both gasoline and diesel engines. (12 fl. oz. treats up to 20 gal. of fuel.)

Net Content 12 fl. oz.

PR-2312


Fuel Injector Air Intake Cleaner
Dissolves and helps remove sticky gums, carbon, soil and resin deposits that prevent proper air flow. Special all-angle spray valve allows container to be held at any angle which assures proper spray and pressure penetration to optimize deposit removal.

Net Weight 4 oz.

PR-2412


Total Intake System Cleaner
Total Fuel System Cleaner prevents and cleans deposit buildup better than ordinary cleaners and leading brands. It neutralizes the power robbing effects of combustion chamber deposits. Improves acceleration better than ordinary fuel treatments. Prevents hesitation, sluggishness, stalling and overall poor acceleration.

Net Weight 7.5 oz.

PR-2512


Motor Pep Tune-Up Treatment
Double duty additive for both oil and gasoline. Add to oil to dissolve engine varnish, gums and sludge. Frees and quiets noisy hydraulic valves and lifters. Add to gas for upper cylinder lubrication and to remove carbon from heads and pistons. (12 fl. oz. treats one oil change.)

Net Content 12 fl. oz.

PR-3016



Motor Aid Concentrated Oil Treatment

Ideal for use in all engines. Maintains engine performance and efficiency. Keeps seals and gaskets supple. Prevents corrosion and keeps engine clean. Helps maintain viscosity. Regular use will prevent excessive wear and prolong the life of engine components. (12 fl. oz. treats one oil change. For high mileage engines with advanced wear, excessive oil burning or heavy sludge deposits use two bottles.)

Net Content 12 fl. oz.

PR-3112



High Mileage Oil Treatment

Helps stop leaks due to drying, hardening or shrinking of seals. Reduces deposits. Keeps the engine clean with superior detergents. Extends engine life with anti-wear agents. Counteracts the effect of oxidation with acid neutralizers. Protects internal engine parts against deterioration, bio-fuel residue and condensation with advanced corrosion inhibitors.

Net Content 12 fl. oz.

PR-3182



Power Steering Fluid System Flush

Helps stop leaks due to drying and hardening of seals. Keeps seals soft and pliable. Cleans hydraulic systems and conditions fluids. May also be used to condition automatic transmission fluid. Compatible with all fluid types.

Net Content 12 fl. oz.

PR-3210



Silicone Spray

Stops squeaks, sticking and reduces wear of rubber weather-stripping on auto windows, doors and hoods. Effective from -35° to +325°F

Net Weight 10 oz.

PR-3416



Premium Power Steering Fluid

Meets specifications of GM, Ford, Chrysler and most foreign auto manufacturers. Decreases heat and friction. Reduces power steering fluid pump noise.

Net Cont. 12 fl oz

PR-3912



Premium Power Steering Fluid

Meets specifications of GM, Ford, Chrysler and most foreign auto manufacturers. Decreases heat and friction. Reduces power steering fluid pump noise.

Net Cont. 64 fl oz

PR-3964



Spray Glass & Utility Cleaner

Professional grade, high solvent based cleaner cuts through build-up of dirt and grime. Ideal for glass, plastic, stainless steel and porcelain coated surfaces.

Net Content 18 fl. oz.

PR-4120



Spray Engine Cleaner & Degreaser

Specially formulated to quickly dissolve grease, oil and tar from engines and equipment. Just spray on and rinse off with water. Ideal for car, truck and marine engines. Also useful for farm equipment, lawn mowers and garage floors.

Net Weight 14.5 oz.

PR-4220



Spray Rubberized Undercoat

Rustproofs, seals and protects. Sprays on evenly, dries quickly and stays black and can be painted. Contains rubber compound for flexibility.

Net Weight 17 oz.

PR-4424



Penetrant and Lubricant

Frees rusted parts and lubricates sticky parts. Penetrates, lubricates, stops rust and corrosion.

Net Weight 11 oz.

PR-4516



Non-Chlorinated Brake Cleaner

Low V.O.C. formula. Quickly and effectively dissolves and removes grease, oil, brake fluid and other contaminants from brakes, C.V. joints and clutch components. Degreases instantly, leaves no residue. Cleans without disassembly. Helps stop brake squealing and can improve braking performance.

Net Weight 14 oz.

PR-4620



Non-Chlorinated Brake Cleaner Ultra Low VOC

Ultra Low V.O.C. formula. Quickly and effectively dissolves and removes grease, oil, brake fluid and other contaminants from brakes, C.V. joints and clutch components. Approved for use in California.

Net Weight 14 oz.

PR-4720



Spray White Lithium Grease

Offers superior corrosion and friction protection. High lubricity grease works equally well in high and low temperatures and in all types of weather. Ideal for automotive, truck, marine, farm equipment and household accessories.

Net Weight 11 oz.

PR-4816



Spray Brake Cleaner

Quickly and effectively dissolves and removes grease, oil, brake fluid and other contaminants from brakes, C.V. joints and clutch components. Degreases instantly, leaves no residue. Equally efficient on electrical assemblies. Non-flammable formula. Not for use in California.

Net Weight 19 oz.

PR-4820



Spray Belt Dressing

Conditions and preserves all types of "V" belts, old and new. Belt Dressing eliminates squeaking, slipping, and increases friction coefficient. Not recommended for serpentine belts.

Net Weight 7 oz.

PR-4908



Non-Chlorinated Brake Cleaner

20% V.O.C. formula. Approved for use in California. Not for use in SCAQMD. Quickly and effectively dissolves and removes grease, oil, brake fluid and other contaminants from brakes, C.V. joints and clutch components. Cleans without disassembly. Helps stop brake squealing. Leaves no residue.

Net Weight 14 oz.

PR-4920



Windshield Washer Antifreeze Concentrate

Cleans, de-ices windshields. Permits use of washer at below zero temperatures. Conditions wiper blades.

Net Content 16 fl. oz.

PR-5016



Nox-Ice Isopropyl Gas Line Antifreeze

Contains isopropyl alcohol. Absorbs twice as much moisture as methanol based products. For gasoline, gasohol, and diesel engines. Excellent in all fuel injected engines.

Net Content 12 fl. oz.

PR-5112



Windshield Spray De-Icer

Defrosts and melts ice from windshields, headlights and windows. Thaws locks in extreme cold weather. Great for removing summer bugs from glass areas.

Net Content 12.3 fl. oz.

PR-5216



Starting Fluid

For gasoline and diesel engines; gives upper cylinder lubrication. Assures safe, smoother starting under any conditions. Gives fast, easy starts in seconds; saves on batteries, towing, and engine wear.

Net Content 11 fl. oz.

PR-5301



Premium Starting Fluid

Extremely high ether content. Gives fast and easy starts in seconds. For use in gasoline or diesel engines. Ideal for cars, trucks, tractors, generators, buses, marine engines, outboards and power mowers. Saves batteries, starters and engine wear. Also provides upper cylinder lubrication.

Net Content 11 fl. oz.

PR-5315



450° High Temp DOT 3 Brake Fluid

Designed to perform safely and efficiently in today's modern, high-heat braking systems. Effective in all DOT 3, ABS, disc and drum braking systems. Meets or exceeds Federal Motor Vehicle Safety Standard 116 and SAE Spec J1703. Dry boiling point exceeds 450°F. Wet boiling point of 284²³⁸/₉₂

Net Content 1 gallon

PR-6001



Super Heavy Duty Brake Fluid

Designed to perform safely and efficiently in today's modern, high-heat braking systems. Effective in all DOT 3, ABS, disc and drum braking systems. Meets or exceeds Federal Motor Vehicle Safety Standard 116 and SAE Spec J1703. Dry boiling point exceeds 450°F. Wet boiling point of 284°F.

Net Content 5 gallons

PR-6005



Super Heavy Duty Brake Fluid

Designed to perform safely and efficiently in today's modern, high-heat braking systems. Effective in all DOT 3, ABS, disc and drum braking systems. Meets or exceeds Federal Motor Vehicle Safety Standard 116 and SAE Spec J1703. Dry boiling point exceeds 450°F. Wet boiling point of 284°F.

Net Content 12 fl. oz.

PR-6012



Super Heavy Duty Brake Fluid

Designed to perform safely and efficiently in today's modern, high-heat braking systems. Effective in all DOT 3, ABS, disc and drum braking systems. Meets or exceeds Federal Motor Vehicle Safety Standard 116 and SAE Spec J1703. Dry boiling point exceeds 450°F. Wet boiling point of 284²³⁸/₉₂

Net Content 32 fl. oz.

PR-6032



Rubber Lube

Formulated for use in mounting and demounting all types of tires as well as providing enhanced appearance.

Net Content 1 gallon

PR-6501



Professional Auto Transmission Flush

Safely removes dirt and varnish build-up. Restores performance. Reduces friction and wear. Conditions seals and O-Rings. Frees sticky valves. Use with 6534 Professional automatic Transmission Conditioner for a complete service.

Net Content 12 fl. oz.

PR-6533



Universal ATF Protectant

Eliminates need for multiple OEM fluids. Advanced synthetic technology protects all ATF types (except Ford Type F and CVT applications). Enhances Dexron/Mercon ATF to perform like a HFM ATF such as: Chrysler ATF +3(7176), ATF +4(9602), Honda, Toyota Type T IV and other HFM fluids. Enhances Dexron®/Mercon® ATF into a highly stable fluid like Mercon V® ATF. Use with Penray 6533 Professional Automatic Transmission Flush for a complete service.

Net Content 12 fl. oz.

PR-6536



Transmission MVP Multi-Vehicle Protectant

This synthetic technology protectant and modifier is compatible with almost all ATFs and enhances Dexron/Mercon to perform like a Highly Friction Modified ATF.

Net Content 12 fl. oz.

PR-6538



Spray Red Grease

Lubricates and protects hard to reach surfaces. Liquid coating quickly cures into a tough, non-tacky light grease. Functions at extremely low and high temperatures. Prevents corrosive attack to any metal surface. Ideal for protecting tools, linkages, conveyors, couplings, shovels and slides.

Net Weight 11 oz.

PR-7001



Spray Open Gear Lube

Fortified with a finely dispersed Moly Sulfide in addition to a petroleum based extreme pressure lubricant. Ideal for use on all open gears. Resists temperature extremes. Reduces friction from metal-to-metal contact. Also applicable for cutting bars, winches, rollers and presses.

Net Weight 11 oz.

PR-7003



Inner Slide Lube

Contains high concentration of Moly Sulfide. Unique formulation permits clinging to surfaces. Increases slide and piston life. Designed for use on fork lift inner slides, elevator slides, rails, torsion bars, fifth wheels and rollers. Protects against rust and corrosion.

Net Weight 10.5 oz.

PR-7005

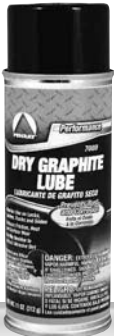


Spray Chain Lube

Contains high concentration of Moly Sulfide, synthetic sperm oil and tackiness agent. Provides the ultimate in lubricating qualities, along with a special property that prohibits the product from "flying off" under high velocity applications. Designed for use in many chain drive applications.

Net Weight 10 oz.

PR-7006



Spray Dry Graphite Lube

Excellent reducer of friction and heat. Lubricates and protects by penetrating into uneven microscopic surfaces. May be applied to wood, metal, plastic, rubber, leather and painted surfaces. Graphite film retards rust and prevents corrosion.

Net Weight 11 oz.

PR-7009



Spray Battery Protector

Prevents build-up of corrosive materials on battery terminals. Eliminates oxidation and seals out moisture. Product is orange tinted to guide user during application.

Net Weight 11.5 oz.

PR-7011



Spray Battery Cleaner

Neutralizes harmful battery acid and helps dissolve common deposits that reduce positive electrical contact.

Net Weight 15 oz.

PR-7012



Spray Electric Motor Cleaner

Safe, non-flammable cleaning agent for electrical system parts. Evaporation is quick, leaving no residue. Extension tube is included for more exacting spray pattern.

Net Weight 19 oz.

PR-7014



Concentrated Motor Flush

Dissolves the sticky and gummy deposits formed by internal combustion. These deposits cling to vital engine parts inside the engine even after an oil and filter change. After using Penray Motor Flush engine oil will circulate freely to all parts of the engine, freeing sticky valves and rings. (Concentrated formulation is added to empty crankcase for complete and thorough cleaning. After engine is run for 5 minutes, drain Motor Flush, continue with maintenance oil and filter change.)

Net Content 1 gallon

PR-7501



Oil System Cleaner

Just 5 minutes prior to oil change add Penray Motor Flush to dissolve the sticky and gummy deposits formed by internal combustion. These deposits cling to vital engine parts inside the engine even after an oil and filter change. After using Penray Motor Flush engine oil will circulate freely to all parts of the engine, freeing sticky valves and rings. (Add Motor Flush to dirty oil, run engine for 5 minutes, continue with maintenance oil and filter change.)

Net Content 12 fl. oz.

PR-7512



Carburetor & Choke Cleaner
High-pressure aerosol spray cleans carburetor in seconds. Helps restore carburetor performance by removing gum, varnish and dirt build-up. Cleans and frees choke and carburetor linkages.

Net Content 11 fl. oz.

SX-115



Liquid Carburetor Cleaner
Prevents problems caused by the presence of deposits on fuel system parts including the carburetor. Allowing these deposits to remain can cause sluggish performance, poor acceleration and high gas consumption. Protects against corrosion and frozen fuel lines by removing moisture as well as cleaning your carburetor which assures easy starting at low temperatures.

Net Content 12 fl. oz.

SX-210



Carburetor Cleaner
Aerosol spray can equipped with extension tube. Spray into carburetor and air-intake. Cleans linkage, anti-smog valve, heat riser and related parts. Removes gum, varnish and carbon deposits.

Net Wt. 14 oz.

SX-215



Engine Medic Oil Treatment
Formulated for use in all engines. Extends engine life and prevents excessive wear. Provides an unbroken film under all conditions to eliminate damage from oil breakdown. Improves efficiency, gas mileage, and air pressure.

Net Content 12 fl. oz.

SX-316



Octane Treatment
Scientifically formulated fuel additive that in leaded or unleaded gasoline will increase octane, reduce engine knock, and improve combustion. Also, protects fuel system from corrosion, prevents freezing, and cleans entire fuel system.

Net Content 12 fl. oz.

SX-340



Fuel Injector & Carburetor Cleaner
Formulated for today's modern fuel injection systems that require more chemical maintenance than carbureted fuel systems. Even the smallest build-up of gum or varnish or the presence of corrosion in the injection system can affect the injector spray pattern causing rough idling, hesitation, and poor performance.

Net Cont. 12 fl. oz.

SX-370



Gas Treatment
Improves gas mileage, repowers sluggish engines and increases engine life. A multi-purpose detergent cleaning additive.

Net Content 12 fl. oz.

SX-380



Gas Treatment
Stops engine oil, transmission fluid and power steering fluid leaks due to drying, hardening and shrinking of seals. Keeps seals soft and pliable. Prevents fluid loss and costly repairs.

Net Content 12 fl. oz.

SX-382



Fuel System Cleaner
Improves gas mileage, repowers sluggish engines and increases engine life. A multi-purpose detergent cleaning additive.

Net Content 16 fl. oz.

SX-384



Power Steering Fluid
Improves gas mileage, repowers sluggish engines and increases engine life. A multi-purpose detergent cleaning additive.

Net Content 12 fl. oz.

SX-400



Power Steering Fluid
Improves gas mileage, repowers sluggish engines and increases engine life. A multi-purpose detergent cleaning additive.

Net Content 32 fl. oz.

SX-404



Motor Flush
Provides fast five minute dissolving of dirt and sludge. Repowers sluggish engines. After treatment, engine oil will circulate freely to all parts of the engine. Also frees sticky valves and rings.

Net Cont. 12 oz.

SX-532



Belt Dressing
Formulated for all types of "V" belts. Reduces squealing, prevents slippage and increases the friction coefficient. Conditions and prolongs belt life. Not recommended for serpentine belts.

Net Content 5 oz.

SX-610



Non Chlorinated Brake Cleaner
Formulated with state of the art, high performance solvents. 45% VOC formula. Formulated to clean brakes, clutch parts and C.V. joints. Removes brake fluid, grease and oil instantly. Helps stop squealing. Does not contain 1, 1, 1, Trichloroethane, hydrocarbon propellants or CFC's. Not Intended for sale in California.

Net Content 10 oz.

SX-630



Emergency Tire Inflator
Seals punctures while inflating tires. Use with any passenger car, truck, boat trailer, or almost any pneumatic tire.

Net Content 12 oz.

SX-659



Emergency Tire Inflator/Hose
Deluxe 12 ounce inflator featuring a flexible hose with a screw-on valve that operates in any position on any automobile or truck tire.

Net Content 12 oz.

SX-660



Emergency Tire Inflator/Hose
Deluxe 16 ounce inflator featuring a flexible hose with a screw-on valve that operates in any position on any automobile or truck tire.

Net Content 16 oz.

SX-665



Super Penetrant
Super tool for car, home, shop and marine. Makes repair work easier whenever trouble is caused by rust, moisture, dirt or friction. Use to start wet engines, loosen frozen parts, protect metal, etc. Harmless to rubber, plastics and painted surfaces.

Net Content 9 oz.

SX-670



Non Chlorinated Brake Cleaner
Quickly and effectively dissolves and removes grease, oil, brake fluid, and other contaminants from brakes, C.V. joints and clutch components.

Net Content 14 oz.

SX-830



Brake Fluid
Super Heavy Duty 4500 High Temperature D.O.T. 3 Brake Fluid. For use in drum and disc brakes. Exceeds requirements of SAE specs J1703 and Federal specs W-B680A. Surpasses Federal Standards 116.

Net Content 1 Gallon

SX-901



Brake Fluid
Super Heavy Duty 4500 High Temperature D.O.T. 3 Brake Fluid. For use in drum and disc brakes. Exceeds requirements of SAE specs J1703 and Federal specs W-B680A. Surpasses Federal Standards 116.

Net Content 12 fl. oz.

SX-912



Brake Cleaner
Safely dissolves and removes brake fluid, oil, grease, and other contaminants without disassembling brakes or clutch parts. Non-flammable formula works great on electrical components.

Net Content 19 oz.

SX-930



Brake Fluid
Super Heavy Duty 4500 High Temperature D.O.T. 3 Brake Fluid. For use in drum and disc brakes. Exceeds requirements of SAE specs J1703 and Federal specs W-B680A. Surpasses Federal Standards 116.

Net Content 32 fl. oz.

SX-932



DYNACOPPER RTV SILICONE GASKET MAKER-L/V

Advanced formula instant gasketing material designed for late model vehicles with elevated operating temperatures. Low odor, sensor safe; non-corrosive and manufactured to exceed OEM specifications. Highly flexible and will not leak. Temperature resistant up to 700°F (371°C). Use on valve covers, transmission pans, exhaust manifolds/headers, oil pans, thermostat housing and water pumps.

3.8 oz. (108g) Tube-Carded

DY-47101


DYNAGREY RTV SILICONE GASKET MAKER-L/V

Formulated for import cars. Use to replace most gaskets. High temperature, sensor safe, low odor and non-corrosive. Resists water, oil and anti-freeze. Will not leak. Temperature resistant up to 625°F (329°C). Use on valve covers, oil pans, water pumps, transmission pans, thermostat housings, timing covers and intake manifold end seals.

3.8 oz. (108g) Tube-Carded

DY-47181


DYNABLACK RTV SILICONE GASKET MAKER-L/V

Excellent oil resistance, guaranteed not to leak. Leak proof in the presence of oil, water and anti-freeze. Sensor safe and manufactured to meet OEM specifications. Makes instant gaskets for all engines. Temperature resistant up to 625°F (329°C). Use on valve covers, oil pans, transmission pans, timing covers and intake manifold end seals.

3.8 oz. (108g) Tube-Carded

DY-47200


BLACK RTV SILICONE GASKET MAKER-L/V

Formulated for gasket making applications. Sensor safe and manufactured to meet OEM specifications. Makes instant, leak proof gaskets for all engines, drive train equipment and related components. Temperature resistant up to 500°F (260°C). Resist oil, water, anti-freeze and transmission fluid. Cures tough and flexible. Works on all vehicles.

3.8 oz. (108g) Tube-Carded

DY-49200


RED or BLUE RTV SILICONE GASKET MAKER-L/V

Formulated to withstand higher operating temperatures. Sensor safe and manufactured to meet OEM specifications. Resist cracking and migration caused by thermal cycling. Will not leak. Temperature resistant up to 650°F (343°C)-Red and 500°F (260°C)-Blue. Resist oil, water, anti-freeze and transmission fluid.

3 oz. (85g) Tube-Carded

DY-49202 / DY-49203
Red Blue


CLEAR RTV SILICONE ADHESIVE/SEALANT

Provides transparent, watertight silicone rubber seal for a wide range of applications. Bonds and seals metal, plastics, glass, fabric, vinyl, wood and rubber. Use on windshields, sunroofs, tail lights, interior panels, fire walls and dashboards. Cures at room temperature.

3.8 oz. (108g) Tube-Carded

DY-49204


BLACK RTV SILICONE GASKET MAKER-L/V

Formulated for gasket making applications. Sensor safe and manufactured to meet OEM specifications. Makes instant, leak proof gaskets for all engines, drive train equipment and related components. Temperature resistant up to 500°F (260°C). Resist oil, water, anti-freeze and transmission fluid. Cures tough and flexible. Works on all vehicles.

8 oz. (227g) Automatic Can

DY-49271


RED RTV SILICONE GASKET MAKER-L/V

Formulated to withstand higher operating temperatures. Sensor safe and manufactured to meet OEM specifications. Resist cracking and migration caused by thermal cycling. Will not leak. Temperature resistant up to 650°F (343°C). Resist oil, water, anti-freeze and transmission fluid.

8 oz. (227g) Automatic Can

DY-49272


CLEAR RTV SILICONE ADHESIVE/SEALANT

Provides transparent, watertight silicone rubber seal for a wide range of applications. Bonds and seals metal, plastics, glass, fabric, vinyl, wood and rubber. Use on windshields, sunroofs, tail lights, interior panels, fire walls and dashboards. Cures at room temperature.

8 oz. (227g) Automatic Can

DY-49274


BLUE RTV SILICONE GASKET MAKER-L/V

Replaces most cut gaskets. Sensor safe and manufactured to meet OEM specifications. Resist cracking, shrinking and migration caused by thermal expansion. Cures tough and flexible. Temperature resistant up to 500°F (260°C). Resist oil, water, anti-freeze and transmission fluid. For valve covers, oil pans, transmission pans, rear-end housings, timing chain covers, thermostat housings, water pumps and oil pump flanges.

8 oz. (227g) Automatic Can

DY-49276


BLACK RTV SILICONE GASKET MAKER-L/V

Formulated for gasket making applications. Sensor safe and manufactured to meet OEM specifications. Makes instant, leak proof gaskets for all engines, drive train equipment and related components. Temperature resistant up to 500°F (260°C). Resist oil, water, anti-freeze and transmission fluid. Cures tough and flexible. Works on all vehicles.

11 oz. (312g) Cartridge

DY-49290


RED RTV SILICONE GASKET MAKER-L/V

Formulated to withstand higher operating temperatures. Sensor safe and manufactured to meet OEM specifications. Resist cracking and migration caused by thermal cycling. Will not leak. Temperature resistant up to 650°F (343°C). Resist oil, water, anti-freeze and transmission fluid.

11 oz. (312g) Cartridge

DY-49292



BLUE RTV SILICONE GASKET MAKER

Blue RTV Silicone Gasket Makers a paste-like, one-component material, which cures to a tough, rubbery solid upon exposure to moisture in the air. Formulated for gasket making applications. Sensor safe and manufactured to meet OEM specifications. Makes instant, leak proof gaskets for all engines, drive train equipment, and related components. Resists oil, water, anti-freeze, and transmission fluid. Provides exceptional leak control and torque retention.

11 oz. (312g) Cartridge

DY-49293


CLEAR RTV SILICONE ADHESIVE/SEALANT

Provides transparent, watertight silicone rubber seal for a wide range of applications. Bonds and seals metal, plastics, glass, fabric, vinyl, wood and rubber. Use on windshields, sunroofs, tail lights, interior panels, fire walls and dashboards. Cures at room temperature.

11 oz. (312g) Cartridge

DY-49294


SUPER GLUE

Instantly bonds glass, metal, plastics and rubber. Bonds close fitting parts in seconds. Works on aluminum, copper, brass, steel, vinyl, PVC, polyester, nylon, fiberglass and wood. Holding strength to 5000 psi.

3g Bottle Carded

DY-49403


MUFFLER & TAILPIPE SEALANT

Repairs holes and leaks in mufflers, tailpipes and around joints. Makes new installations more secure. Run engine at idle speed for 20 minutes to harden quickly or allow to sit overnight.

4.5 oz. (128g) Carded

DY-49411


BRUSH-ON ELECTRICAL TAPE

Forms a tough, flexible coating that seals out moisture and corrosion. Adheres to metal, rubber, vinyl and plastic. Dries at room temperature in 5 minutes.

Black 4 oz. Brush Top Can

DY-49412


SUPER GLUE-GEL

Fast and strong repairs. Works on vertical surfaces - will not run. Extra strength formula bonds rubber, vinyl, most plastics, glass, leather, cork and more.

2g Tube Carded

DY-49433


SUPER GLUE-GEL

Fast and strong repairs. Works on vertical surfaces - will not run. Extra strength formula bonds rubber, vinyl, most plastics, glass, leather, cork and more.

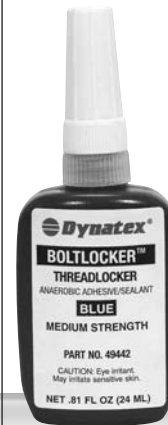
20g Tube

DY-49436


BOLTLOCKER BLUE MEDIUM STRENGTH (THREADLOCKING COMPOUND)

Fills gaps up to .006 inches. Apply prior to assembly. Eliminates need for stocking lock nuts and lock washers. Can be removed without special tools.

6ml Tube-Carded

DY-49441


BOLTLOCKER BLUE MEDIUM STRENGTH (THREADLOCKING COMPOUND)

Fills gaps up to .006 inches. Apply prior to assembly. Eliminates need for stocking lock nuts and lock washers. Can be removed without special tools.

24ml Tube-Carded

DY-49442


BOLTLOCKER RED MEDIUM/HIGH STRENGTH (MEDIUM VISC. 1200 - 2000CP)

Locks and seals metal threaded assemblies where high strength is required. Fills gaps up to .008 inches. Apply prior to assembly. Protects against thread corrosion.

6ml Tube-Carded

DY-49451


BOLTLOCKER RED MEDIUM/HIGH STRENGTH (MEDIUM VISC. 1200 - 2000CP)

Locks and seals metal threaded assemblies where high strength is required. Fills gaps up to .008 inches. Apply prior to assembly. Protects against thread corrosion.

24ml Tube-Carded

DY-49452


SLEEVELOCKER GREEN HIGH STRENGTH (SLEEVE RETAINER)

Eliminates press and slip fits. Replaces splines and keys. Returns worn, out-of-tolerance assemblies to fit. Locks and seals studs, shafts and bearings. Fills gaps up to .006 inches.

24ml Tube-Carded

DY-49472



THREAD SEALANT WITH TEFLON*

All-purpose thread sealant. Seals threaded connections for air, oil, diesel fuel and hydraulic oil. Remains pliable. Temperature ranges -65°F to 300°F. Performs better than tapes. Withstands pressures up to 10,000 psi.

*Teflon is a registered trademark of Dupont.

4 oz. (114g) Brush Top Bottle

DY-49494



THREAD SEALANT WITH TEFLON*

All-purpose thread sealant. Seals threaded connections for air, oil, diesel fuel and hydraulic oil. Remains pliable. Temperature ranges -65°F to 300°F. Performs better than tapes. Withstands pressures up to 10,000 psi.

*Teflon is a registered trademark of Dupont.

16 oz. (454g) Brush Top Bottle

DY-49495



ANTI-SEIZE & LUBRICATION COMPOUND

Prevents carbon fusion and seizure up to 2000°F(1093°C). Protects against corrosion between dissimilar metals. Resists water, salt solution, most shop and automotive fluids. Reduces coefficient of friction by a minimum of 20%. Meets MIL-907 specifications.

8 oz. (227g) Brush Top Bottle

DY-49558



ANTI-SEIZE & LUBRICATION COMPOUND

Prevents carbon fusion and seizure up to 2000°F(1093°C). Protects against corrosion between dissimilar metals. Resists water, salt solution, most shop and automotive fluids. Reduces coefficient of friction by a minimum of 20%. Meets MIL-907 specifications.

16 oz. Aerosol Can

12 oz. (340g) Net Wt.

DY-49576



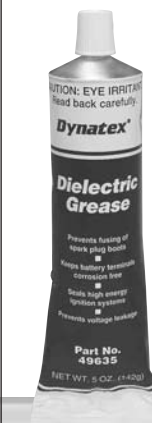
ANTI-SEIZE & LUBRICATION COMPOUND

Prevents carbon fusion and seizure up to 2000°F(1093°C). Protects against corrosion between dissimilar metals. Resists water, salt solution, most shop and automotive fluids. Reduces coefficient of friction by a minimum of 20%. Meets MIL-907 specifications.

Copper 8 oz. Brush Top Bottle

Contains more copper

DY-49582



DIELECTRIC GREASE

Prevents boot tears, corrosion, arcing and the fusing of spark wires to spark plugs. Maintains its consistency in extreme temperatures from -40°F to 400°F. Resists moisture, acids and alkalines. Moisture proof seal for automotive, marine and other ignition and electrical systems. For distributor caps, battery cables, posts and terminals, light bulb sockets, trailer hitch and all other types of electrical connectors. Complies with FDA Regulation 21 CFR178.3570.

5 oz. (142g) Tube Boxed

DY-49635



HEAT SINK GREASE

A grease-like silicone material, heavily filled with heat conductive metal oxides. Used as a heat transfer medium in electrical and electronic applications for facilitating heat dissipation. Withstands high and low temperatures (-65°F to 400°F), water resistant chemically inactive and hydrolytically stable. Has also been found useful on thermocouple and thermometer wells, mounting semi-conductor devices and thermal joints. NLGI No. 2.

5 oz. (142g) Tube-Boxed

DY-49643



GASKET REMOVER

A grease-like silicone material, heavily filled with heat conductive metal oxides. Used as a heat transfer medium in electrical and electronic applications for facilitating heat dissipation. Withstands high and low temperatures (-65°F to 400°F), water resistant chemically inactive and hydrolytically stable. Has also been found useful on thermocouple and thermometer wells, mounting semi-conductor devices and thermal joints. NLGI No. 2.

16 oz. Aerosol Can

13 oz. (368g) Net Wt.

DY-49673



BIODEGRADABLE WIPES

Biodegradable Wipes remove the toughest grease, tar, grime, ink, paints, sealants, adhesives and other difficult soils. Each pre-moistened wipe is made of all natural fabric that has been engineered for softness and absorbency to give it a superb towel like feel. Made from all biodegradable ingredients that are 100% compostable and made without harmful chemicals. They are ideal for use on most hard surfaces including: painted walls, tools, work surfaces, signs, siding, bathroom partitions and more.

Qty 72 - 8" x 12"

DY-53103



DUAL-SIDED ABRASIVE WIPES

Abrasive Wipes Clean paint, adhesive, oil and more from hands, tools and surfaces. PAINT-Oil and Water based. Effective up to 24 hours after application. To assist removal of dry paint, place wipe on spill for a few minutes to soften paint. ADHESIVES AND SEALANTS-Silicone, acrylic, fillers, poly adhesive, poly foam, epoxy, rubber cement and label residue. OIL BASED STAINS-Oil, grease, ink and more. GENERAL CLEANING-Ideal for stain and grease removal from most work surfaces. Will refresh and clean old paint and sealants.

Qty 80 - 8" x 12"

DY-53104



HAND CLEANER

Dynatex All Purpose Hand Cleaner with lanolin is a creamy formula that liquefies and gently lifts grease, grime and stains from the hands safely with or without water. Dynatex All Purpose Hand Cleaner leaves hands cleaned and conditioned without the greasy feeling and strong odors of competitive brands. Dynatex All Purpose Hand Cleaner contains lanolin and skin care emollients to aid in healing rough, dry and overused hands.

5 oz. (142g) Tube-Boxed

DY-53108



WHEEL BEARING GREASE

A premium state-of-the-art lithium complex grease, this multi-purpose lubricant has a high dropping point in excess of 500°F, which ensures retention where high temperatures are encountered. An excellent bearing lubricant for car truck trailers, sports vehicles and plant equipment. Particularly recommended for disc brake equipped vehicles. Excellent water resistor and rust inhibitor. NLGI No. 2

1 lb. Can

DY-54016

LEVER ACTION GREASE GUN

Heavy duty construction and chrome plated finish for long service life. Short stroke "Lever Action" for easy use in tight spaces. Vented, zinc, die cast head cap. Positive lock for easy filling. Knurled thick wall barrel for secure grip.

Uses standard 14 oz. grease cartridge.

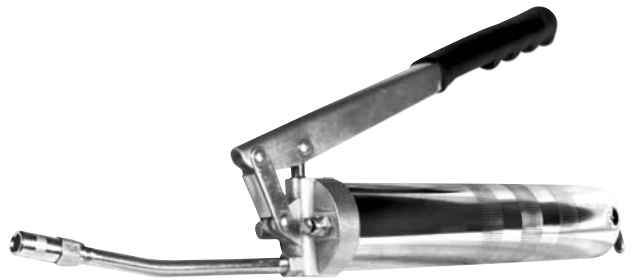


W54201

PROFESSIONAL GREASE GUN

Heavy duty construction and chrome plated finish for long service life. Short stroke "Lever Action" for easy use in tight spaces. Vented, zinc, die cast head cap. Positive lock for easy filling. Air bleeder valve eliminates air lock. Knurled thick wall barrel for secure grip. Comfort grip lever handle.

Uses standard 14 oz. grease cartridge.

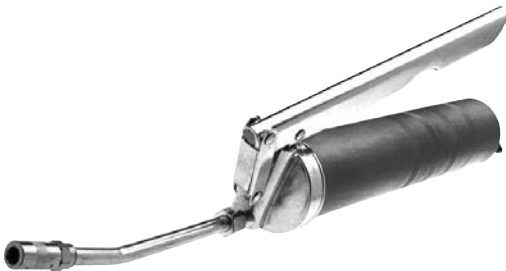


W54202

ECONOMY GREASE GUN

Heavy duty construction with matte gray painted finish. Short stroke "Lever Action" for easy use in tight spaces. Vented, zinc, die cast head cap. Positive lock for easy filling. Knurled thick wall barrel for secure grip.

Uses standard 14 oz. grease cartridge.



W54203

PISTOL GRIP GREASE GUN

Heavy duty construction and chrome plated finish for long service life. "Pistol Grip Action" for easy use. Vented, zinc, die cast head cap. Positive lock for easy filling. Air bleeder valve eliminates air lock. Knurled thick wall barrel for secure grip. Comfort grip pistol handle.

2 Way Filling: standard 14 oz. grease cartridge or bulk.



W54204



Ultra EP Grease (Lithium)

GR-9000



Multi Purpose Grease (Lithium)

GR-9020



Moly EP Grease (Lithium)

GR-9060

GREASE GUN ACCESSORIES

442

ADAPTER Needle Nose



Dispenses a fine line of grease to confined areas. Great for 4WD (CV) universal joints. Fits most hand operated grease guns. Maximum working pressure 3,000 PSI.

W54219

COUPLER Heavy Duty



Fits most hand operated grease guns. 6,000 PSI.

W54224

COUPLER 90° Swivel



Fits most hand operated grease guns.

W54225

COUPLER 360° Swivel



Great for hard to reach applications. Fits most hand operated grease guns. Maximum working pressure 3,000 PSI.

W54226

FLEX HOSE 12" 4500 PSI



12" hose for hard to reach areas. For use with hand and air powered grease guns. Working pressure 4,500 PSI. Burst pressure 12,000 PSI. 1/8" NPT.

W54210

FLEX HOSE w/COUPLER 18" 4500 PSI



18" hose for hard to reach areas. For use with hand and air powered grease guns. Working pressure 4,500 PSI. Burst pressure 12,000 PSI. 1/8" NPT.

W54211

FLEX HOSE 12" 3000 PSI



For hard to reach areas. Working pressure 3,000 PSI. Burst pressure 10,000 PSI. 1/8" NPT. For use with hand grease guns only.

W54221

FLEX HOSE 18" 3000 PSI



For hard to reach areas. Working pressure 3,000 PSI. Burst pressure 10,000 PSI. 1/8" NPT. For use with hand grease guns only.

W54222

GREASE INJECTION NEEDLE



18 Gauge tempered stainless steel needle. Can be easily inserted under or through bearing seals. Includes protective cover.

W54213

SEAL OFF DISPENSER



For use with grease plugs. Fits all standard grease gun hoses and extensions. WARNING: Maximum working pressure 3,000 PSI. For use with hand operated grease guns only.

W54214



10 Pack 1/4" x 28 Straight

W54240


10 Pack 1/8" NPT Straight

W54241


10 Pack 1/8 IN. NPT x 45°

W54242


10 Pack 1/8 IN. NPT x 90°

W54243


10 Pack 1/4 IN. x 28 90°

W54244


10 Pack 1/4 IN. x 28 45°

W54245


10 Pack 6 mm x 1 Straight

W54246


10 Pack 6 mm x 1 45°

W54247


10 Pack 6 mm x 1 90°

W54248


10 Pack 1/4" NPT Straight

W54258


10 Pack 8 mm x 1 Short Straight

W54259

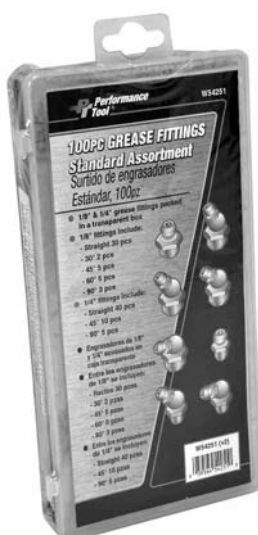

8 mm x 1 Short 45°

W54260


10 Pack 10 mm x 1 Short Straight

W54261


70 Pack Mixed

W5215


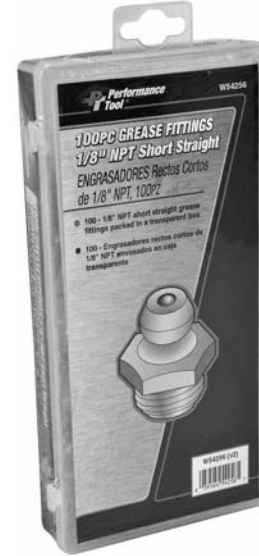
100 Pack Mixed

W54251


100 Pack 1/4" x 28 Short Straight

W54253


100 Pack 1/4" x 28 Short 45°

W54254


100 Pack 1/8" NPT Short Straight

W54256

ANTIFREEZE



1 Gallon (Concentrate)

AF-2030

ANTIFREEZE



1 Gallon (50/50 Premix)

AF-2140

ANTIFREEZE



1 Gallon (50/50 Premix)

AF-2250

ANTIFREEZE



1 Gallon (Concentrate)

AF-2360

GEAR LUBRICANT



5 Gallon (80W-90)

GL-8090

GEAR LUBRICANT



5 Gallon (85W-140)

GL-8514

HYDRAULIC OIL



5 Gallon (AW 32)

HF-9032

HYDRAULIC OIL



5 Gallon (AW 46)

HF-9146

MOTOR OIL



1 Quart (5W 20)

MO-1010

GREASE (LITHIUM)



Moly EP

GR-9060

GREASE (LITHIUM)



Ultra EP

GR-9000

GREASE (LITHIUM)



Multi-Purpose

GR-9020

COOLENT TESTER



Anti-Freeze Tester - Ball Type

00233

COOLENT TESTER



Anti-Freeze Tester - Dial Type

00234

MOTOR OIL



1 Quart (5W-30)

MO-2020

MOTOR OIL



1 Quart (10W-30)

MO-3030

MOTOR OIL



1 Quart (10W-40)

MO-4040

MOTOR OIL



1 Quart (20W-50)

MO-5050

MOTOR OIL



1 Quart (15W-40 HD)

MO-6060

MOTOR OIL



1 Gallon (15W-40 HD)

MO-7285

MOTOR OIL (SYNTHETIC)



1 Quart (5W-20)

MO-8010

MOTOR OIL (SYNTHETIC)



1 Quart (5W-30)

MO-8085

MOTOR OIL (SYNTHETIC)



1 Quart (10W-30)

MO-9015

TRANSMISSION FLUID



5 Gallon

TF-6060

TRANSMISSION FLUID



1 Quart

TF-7070

TRACTOR FLUID



5 Gallon

TF-8080

OIL FILTER WRENCHES

446



Standard Oil Filter Wrench
3 1/2"

OW-LARGE



Standard Oil Filter Wrench
3"

OW-SMALL



JAW GRIP FILTER WRENCH
2 3/4" to 4 1/4" Jaw Opening

W157



Adjustable Clamp Oil Filter Wrench
Fits Filter 2 3/4" to 3"

W171C



Adjustable Oil Filter Wrench
Fits Filters 2 1/2" to 3 7/8"

W186C



Swivel Oil Filter Wrench
Fits Filter 2 7/8" to 3 1/4"

W54045



Swivel Oil Filter Wrench
Fits Filter 2 15/16" to 3 3/4"

W54046



Swivel Oil Filter Wrench
Fits Filter 3 1/2" to 3 7/8"

W54047



Swivel Oil Filter Wrench
Fits Filter 4" to 4 3/8"

W54048



Swivel Oil Filter Wrench
Fits Filter 4 3/4" to 5 3/4"

W54049



Standard Oil Filter Wrench
Fits Filter 3" to 3 3/4"

W54050



Standard Oil Filter Wrench
Fits Filter 4" to 4 3/8"

W54051



Heavy Duty Oil Filter Wrench
Fits Filter 2 1/4" to 2 3/4"

W54052



Heavy Duty Oil Filter Wrench
Fits Filter 2 7/8" to 3 1/8"

W54053



Small Oil Filter Pliers
Slip joint design fits 1 3/4" to 4"

W54057



Small Oil Filter Pliers
Slip joint design fits 2" to 5 1/2"

W54058



2 Piece Strap Wrench Set
Fits Sizes 3/8" to 6 1/2"

W54059



Drain Pan
DP-420



Drain Pan (7 Quart)
W4070



Transmission Drain Pan
W54281



4" Funnel
F-4



6" Funnel
F-6



8" Funnel
F-8



12" Flexible Metal Funnel
W219



18" Plastic Funnel
W220



2 Piece Flexible Funnel
W227



1 Pint Funnel
W4015



All Purpose Funnel
W4034







































1 Quart Funnel
W4064































48 oz. Funnel
W54275

SOLDERLESS TERMINALS

448









RED RING TERMINALS AWG 22-18							
	Stud Size 4	6	8	10	1/4"	5/16"	3/8"
	PART# 212045	212065	212085	212105	212115	212125	212135
BLUE RING TERMINALS AWG 16-14							
	Stud Size 4	6	8	10	1/4"	5/16"	3/8"
	PART# 213045	213065	213085	213105	213115	213125	213135
YELLOW RING TERMINALS AWG 12-10							
	Stud Size 6	8	10	1/4"	5/16"	3/8"	1/2"
	PART# 214065	214085	214105	214115	214125	214135	214165
RED SPADE TERMINALS AWG 22-18							
	Stud Size 4	6	8	10	1/4"		
	PART# 232045	232065	232085	232105	232115		
BLUE SPADE TERMINALS AWG 16-14							
	Stud Size 4	6	8	10	1/4"		
	PART# 233045	233065	233085	233105	233115		
YELLOW SPADE TERMINALS AWG 12-10							
	Stud Size 6	8	10	1/4"	5/16"		
	PART# 234065	234085	234105	234115	234125		

<div>RED FEMALE PUSH-ONS</div> <div>AWG 22-18</div>					
Insulation / Tab Width	Vinyl / .110	Vinyl / .187	Vinyl / .250	Nylon / .250	Nylon 250° / 90° Flag
PART#	202215	202235	202225	202275	202295
<div>RED MALE PUSH-ONS</div> <div>AWG 22-18</div>					
Insulation / Tab Width	Vinyl / .110	Vinyl / .187	Vinyl / .250	Nylon / .250	
PART#	202415	202245	202425	202475	
<div>BLUE FEMALE PUSH-ONS</div> <div>AWG 16-14</div>					
Insulation / Tab Width		Vinyl / .187	Vinyl / .250	Nylon / .250	Nylon 250° / 90° Flag
PART#		203215	203225	203275	203295
<div>BLUE MALE PUSH-ONS</div> <div>AWG 16-14</div>				MULTI-STACK PUSH-ONS	
Insulation / Tab Width	Vinyl / .187	Vinyl / .250	Nylon / .250	RED 	BLUE 
PART#	203415	203425	203475	501933	501936
<div>YELLOW MALE / FEMALE PUSH-ONS</div> <div>AWG 12-10</div>					
Insulation / Tab Width	Vinyl / .250	Vinyl / .375	Nylon / .250	Vinyl / .250	Nylon / .250
PART#	204225	204255	204275	204425	204475
<div>MALE / FEMALE BULLET CONNECTOR</div> <div>AWG 12-10</div>					
Color	RED	BLUE	YELLOW	RED	BLUE
AWG / Size	22-18 / .156	16-14 / .156	12-10 / .195	22-18 / .156	16-14 / .156
PART#	202435	203435	204435	202335	203335
					204335

SOLDERLESS TERMINALS

450










SNAP SPADE & PARALLEL CONNECTORS

									
Stud Size AWG	6 22-18	8 22-18	10 22-18	6 16-14	8 16-14	10 16-14	22-18	16-14	12-10
PART#	222065	222085	222105	223065	223085	223105	201155	201165	201175





HOOK TERMINALS

									
Stud Size AWG	6 22-18	8 22-18	10 22-18	6 16-14	8 16-14	10 16-14	6 12-10	8 12-10	10 12-10
PART#	242065	242085	242105	243065	243085	243105	244065	244085	244105



FLANGE SPADE TERMINALS

									
Stud Size AWG	6 22-18	8 22-18	10 22-18	6 16-14	8 16-14	10 16-14	6 12-10	8 12-10	10 12-10
PART#	282065	282085	282105	283065	283085	283105	284065	284085	284105

3 WAY & 4 WAY TERMINALS

				
AWG	22-18	22-18	16-14	16-14
PART#	212145	212155	213145	213155

3 WAY & 4 WAY TERMINALS

		
AWG	12-10	12-10
PART#	214145	214155

AWG 8 - Barrel ID .185 - Wall .030



Stud Size 10

57000 57000Z



Stud Size 1/4"

57001 57001Z



Stud Size 5/16"

57004 57004Z



Stud Size 3/8"

57006 57006Z



Stud Size 1/2"

57007 57007Z

AWG 6 - Barrel ID .232 - Wall .035



Stud Size 10

57010 57010Z



Stud Size 1/4"

57011 57011Z



Stud Size 5/16"

57012 57012Z



Stud Size 3/8"

57016 57016Z



Stud Size 1/2"

57017 57017Z

AWG 4 - Barrel ID .286 - Wall .035



Stud Size 10

57020 57020Z



Stud Size 1/4"

57021 57021Z



Stud Size 5/16"

57024 57024Z



Stud Size 3/8"

57025 57025Z



Stud Size 1/2"

57027 57027Z

AWG 2 - Barrel ID .336 - Wall .040



Stud Size 1/4"

57030 57030Z



Stud Size 5/16"

57031 57031Z



Stud Size 3/8"

57032 57032Z



Stud Size 1/2"

57034 57034Z

"Z" following the part number indicates available in Zinc

COPPER & ZINC LUGS

452

AWG 1 - Barrel ID .360 - Wall .045



Stud Size 1/4"

57036

57036Z



Stud Size 5/16"

57037

57037Z



Stud Size 3/8"

57038

57038Z



Stud Size 1/2"

57039

57039Z

AWG 1/0 - Barrel ID .407 - Wall .045



Stud Size 1/4"

57041

57041Z



Stud Size 5/16"

57042

57042Z



Stud Size 3/8"

57043

57043Z



Stud Size 1/2"

57044

57044Z

AWG 2/0 - Barrel ID .461 - Wall .050



Stud Size 1/4"

57046

57046Z



Stud Size 5/16"

57047

57047Z



Stud Size 3/8"

57048

57048Z



Stud Size 1/2"

57049

57049Z

"Z" following the part number indicates available in Zinc

AWG 3/0 - Barrel ID .360 - Wall .045



Stud Size 1/4"
57051 57051Z



Stud Size 5/16"
57052 57052Z



Stud Size 3/8"
57053 57053Z



Stud Size 1/2"
57054 57054Z

AWG 4/0 - Barrel ID .407 - Wall .045



Stud Size 1/4"
57059 57059Z



Stud Size 5/16"
57055 57055Z



Stud Size 3/8"
57056 57056Z



Stud Size 1/2"
57057 57057Z



Stud Size 5/8"
57058 57058Z

AWG 250 MCM - Barrel ID .461 - Wall .050



Stud Size 3/8"
57065 57065Z



Stud Size 1/2"
57066 57066Z



Stud Size 5/8"
57067 57067Z

"Z" following the part number indicates available in Zinc

PRIMARY WIRE RATED 80° C

454

- Recommended for trucks, tractors, cars, and general service
- For use at 50 volts or less

- Meets SAE J1128 specifications
- Temperature rating of 80°C (176°F)
- Stranded annealed, single conductor copper wire

- General purpose thermoplastic (GPT)
 - PVC insulated
 - Packaged on spools

18 Gauge - 16/30 Stranding

Part#	Length	Color
02308	100'	Red
02309	100'	White
02310	100'	Black
02311	100'	Green
02312	100'	Yellow
02313	100'	Brown
02314	100'	Blue
02315	100'	Orange
02316	100'	Grey
02317	100'	Purple
02318	100'	Dk. Blue
02319	100'	Dk. Green
02320	100'	Tan
02321	100'	Pink
02322	500'	Red
02323	500'	White
02324	500'	Black
02325	500'	Green
02326	500'	Yellow
02327	500'	Brown
02328	500'	Blue
02329	500'	Orange
02330	500'	Grey
02331	500'	Purple
02332	500'	Dk. Blue
02333	500'	Dk. Green
02334	500'	Tan
02335	500'	Pink

16 Gauge - 19/29 Stranding

Part#	Length	Color
02358	100'	Red
02359	100'	White
02360	100'	Black
02361	100'	Green
02362	100'	Yellow
02363	100'	Brown
02364	100'	Blue
02365	100'	Orange
02366	100'	Grey
02367	100'	Purple
02368	100'	Dk. Blue
02369	100'	Dk. Green
02370	100'	Tan
02371	100'	Pink
02372	500'	Red
02373	500'	White
02374	500'	Black
02375	500'	Green
02376	500'	Yellow
02377	500'	Brown
02378	500'	Blue
02379	500'	Orange
02380	500'	Grey
02381	500'	Purple
02382	500'	Dk. Blue
02383	500'	Dk. Green
02384	500'	Tan
02385	500'	Pink

14 Gauge - 19/27 Stranding

Part#	Length	Color
02408	100'	Red
02409	100'	White
02410	100'	Black
02411	100'	Green
02412	100'	Yellow
02413	100'	Brown
02414	100'	Blue
02415	100'	Orange
02416	100'	Grey
02417	100'	Purple
02418	100'	Dk. Blue
02419	100'	Dk. Green
02420	100'	Tan
02421	100'	Pink
02422	500'	Red
02423	500'	White
02424	500'	Black
02425	500'	Green
02426	500'	Yellow
02427	500'	Brown
02428	500'	Blue
02429	500'	Orange
02430	500'	Grey
02431	500'	Purple
02432	500'	Dk. Blue
02433	500'	Dk. Green
02434	500'	Tan
02435	500'	Pink

12 Gauge - 19/25 Stranding

Part#	Length	Color
02458	100'	Red
02459	100'	White
02460	100'	Black
02461	100'	Green
02462	100'	Yellow
02463	100'	Brown
02464	100'	Blue
02465	100'	Orange
02466	100'	Grey
02467	100'	Purple
02468	100'	Dk. Blue
02469	100'	Dk. Green
02470	100'	Tan
02471	100'	Pink
02472	500'	Red
02473	500'	White
02474	500'	Black
02475	500'	Green
02476	500'	Yellow
02477	500'	Brown
02478	500'	Blue
02479	500'	Orange
02480	500'	Grey
02481	500'	Purple
02482	500'	Dk. Blue
02483	500'	Dk. Green
02484	500'	Tan
02485	500'	Pink

- Recommended for trucks, tractors, cars, and general service
- For use at 50 volts or less

- Meets SAE J1128 specifications
- Temperature rating of 80°C (176°F)
- Stranded annealed, single conductor copper wire

- General purpose thermoplastic (GPT)
- PVC insulated
- Packaged on spools

10 Gauge - 19/23 Stranding		
Part#	Length	Color
02508	100'	Red
02509	100'	White
02510	100'	Black
02511	100'	Green
02512	100'	Yellow
02513	100'	Brown
02514	100'	Blue
02515	100'	Orange
02516	100'	Grey
02517	100'	Purple
02518	100'	Dk. Blue
02519	100'	Dk. Green
02520	100'	Tan
02521	100'	Pink
02522	500'	Red
02523	500'	White
02524	500'	Black
02525	500'	Green
02526	500'	Yellow
02527	500'	Brown
02528	500'	Blue
02529	500'	Orange
02530	500'	Grey
02531	500'	Purple
02532	500'	Dk. Blue

10 Gauge - 19/23 Stranding		
Part#	Length	Color
02533	500'	Dk. Green
02534	500'	Tan
02535	500'	Pink

8 Gauge - 19/21 Stranding		
Part#	Length	Color
02550	100'	Red
02551	100'	White
02552	100'	Black
02553	100'	Green
02554	500'	Red
02555	500'	White
02556	500'	Black
02557	500'	Green

6 Gauge - 56/23 Stranding		
Part#	Length	Color
02562	100'	Red
02563	100'	White
02564	100'	Black
02565	500'	Red
02566	500'	White
02567	500'	Black

SINGLE CONDUCTOR WIRE - RATED 105° C

- Meets UL, CSA, MTW, TW, AWM, 1015/1230/1345 specifications
- UL/CSA PVC insulated single conductor wire
- Rated 600 volts

- Temperature rating of 105°C (221°F)
- Suitable for wet or dry applications
- Multi-rated for internal wiring of appliances and equipment

- For use in wiring industrial machines
- Bare copper construction
- Packaged on spools

18 Gauge - 16/30 Stranding		
Part#	Length	Color
07500	100'	Red
07501	100'	White
07502	100'	Black
07503	100'	Green
07504	100'	Yellow
07505	100'	Brown
07506	100'	Blue
07507	100'	Orange
07508	500'	Red
07509	500'	White
07510	500'	Black
07511	500'	Green
07512	500'	Yellow
07513	500'	Brown
07514	500'	Blue
07515	500'	Orange

16 Gauge - 26/30 Stranding		
Part#	Length	Color
07524	100'	Red
07525	100'	White
07526	100'	Black
07527	100'	Green
07528	100'	Yellow
07529	100'	Brown

16 Gauge - 26/30 Stranding		
Part#	Length	Color
07530	100'	Blue
07531	100'	Orange
07532	500'	Red
07533	500'	White
07534	500'	Black
07535	500'	Green
07536	500'	Yellow
07537	500'	Brown
07538	500'	Blue
07539	500'	Orange

14 Gauge - 41/31 Stranding		
Part#	Length	Color
07548	100'	Red
07549	100'	White
07550	100'	Black
07551	100'	Green
07552	100'	Yellow
07553	100'	Brown
07554	100'	Blue
07555	100'	Orange
07556	500'	Red
07557	500'	White
07558	500'	Black
07559	500'	Green

SINGLE CONDUCTOR WIRE - RATED 105° C

456

- Meets UL, CSA, MTW, TW, AWM, 1015/1230/1345 specifications
- UL/CSA PVC insulated single conductor wire
- Rated 600 volts

- Temperature rating of 105°C (221°F)
- Suitable for wet or dry applications
- Multi-rated for internal wiring of appliances and equipment

- For use in wiring industrial machines
- Bare copper construction
- Packaged on spools

14 Gauge - 41/31 Stranding		
Part#	Length	Color
07560	500'	Yellow
07561	500'	Brown
07562	500'	Blue
07563	500'	Orange

12 Gauge - 65/30 Stranding		
Part#	Length	Color
07572	100'	Red
07573	100'	White
07574	100'	Black
07575	100'	Green
07576	100'	Yellow
07577	100'	Brown
07578	100'	Blue
07579	100'	Orange
07580	500'	Red
07581	500'	White
07582	500'	Black
07583	500'	Green
07584	500'	Yellow
07585	500'	Brown

12 Gauge - 65/30 Stranding		
Part#	Length	Color
07586	500'	Blue
07587	500'	Orange

10 Gauge - 105/30 Stranding		
Part#	Length	Color
07596	100'	Red
07597	100'	White
07598	100'	Black
07599	100'	Green
07600	100'	Yellow
07601	100'	Brown
07602	100'	Blue
07603	100'	Orange
07604	500'	Red
07605	500'	White
07606	500'	Black
07607	500'	Green
07608	500'	Yellow
07609	500'	Brown
07610	500'	Blue
07611	500'	Orange

GOLF CART JUMPER CABLES

TOP POST STYLE			
Part#	Length	Color	Gauge
03327	9'	Black	6
04327	9'	Red	6
03328	12'	Black	6
04328	12'	Red	6

LUG-TO-LUG STYLE			
Part#	Length	Color	Gauge
03332	9'	Black	6
04332	9'	Red	6
03333	12'	Black	6
04333	12'	Red	6

LUG-TO-LUG STYLE			
Part#	Length	Color	Gauge
03334	20'	Black	6
04334	20'	Red	6



BATTERY CABLES



- Full-gauge copper conductor
- Tough, high temperature PVC insulation – abrasion and chemical resistant

- For use at 50 volts or less
- Recommended for connecting battery to switch, starter, and ground

- Meets or exceeds SAE J1127 specifications
- Temperature rating of 80°C (176°F)
- 25 ft. lengths are coiled and boxed – all others are spooled

Part#	Length	Color	Gauge	Stranding
04600	25'	Red	6	49/23
04601	25'	Black	6	49/23
04602	100'	Red	6	49/23
04603	100'	Black	6	49/23
04604	500'	Red	6	49/23
04605	500'	Black	6	49/23
04606	25'	Red	4	70/23
04607	25'	Black	4	70/23
04608	100'	Red	4	70/23
04609	100'	Black	4	70/23
04610	500'	Red	4	70/23
04611	500'	Black	4	70/23
04612	25'	Red	2	133/23
04613	25'	Black	2	133/23
04614	100'	Red	2	133/23
04615	100'	Black	2	133/23
04616	500'	Red	2	133/23
04617	500'	Black	2	133/23
04618	25'	Red	1	133/22
04619	25'	Black	1	133/22

Part#	Length	Color	Gauge	Stranding
04620	100'	Red	1	133/22
04621	100'	Black	1	133/22
04622	500'	Red	1	133/22
04623	500'	Black	1	133/22
04624	25'	Red	1/0	133/21
04625	25'	Black	1/0	133/21
04626	100'	Red	1/0	133/21
04627	100'	Black	1/0	133/21
04628	500'	Red	1/0	133/21
04629	500'	Black	1/0	133/21
04630	25'	Red	2/0	133/20
04631	25'	Black	2/0	133/20
04632	100'	Red	2/0	133/20
04633	100'	Black	2/0	133/20
04634	500'	Red	2/0	133/20
04635	500'	Black	2/0	133/20
04636	25'	Black	3/0	259/22
04637	100'	Black	3/0	259/22
04638	500'	Black	3/0	259/22



Conductor:	Bare, soft annealed copper per ASTM B-3 - 18 AWG (16 strand)
Insulation:	Each conductor is concentrically insulated with a 15 mil wall of high dielectric flame retardant polymer with 5 mil wall of clear polyimide (nylon) jacket extruded over primary insulation and conforming to UL requirements.
Cabling:	The applicable number of conductors are cabled together with fillers as necessary with a suitable layer - A clear mylar tape is helically applied over the core.

Color Code Chart 107:

Number of Conductors	Color	Number of Conductors	Color
1	Black	2	Red
3	Blue	4	Orange
5	Yellow	6	Brown
7	Red w/ Black Stripe	8	Blue w/ Black Stripe
9	Orange w/ Black Stripe	10	Yellow w/ Black Stripe
11	Brown w/ Black Stripe	12	Black w/ Red Stripe
13	Blue w/ Red Stripe	14	Orange w/ Red Stripe
15	Yellow w/ Red Stripe	16	Brown w/ Red Stripe
17	Black w/ Blue Stripe	18	Red w/ Blue Stripe
19	Orange w/ Blue Stripe	20	Yellow w/ Blue Stripe
21	Brown w/ Blue Stripe	22	Black w/ Orange Stripe
23	Red w/ Orange Stripe	24	Blue w/ Orange Stripe
25	Yellow w/ Orange Stripe	26	Brown w/ Orange Stripe
27	Black w/ Yellow Stripe	28	Red w/ Yellow Stripe
29	Blue w/ Yellow Stripe	30	Orange w/ Yellow Stripe
31	Brown w/ Yellow Stripe	32	Black w/ Brown Stripe
33	Red w/ Brown Stripe	34	Blue w/ Brown Stripe
35	Orange w/ Brown Stripe	36	Yellow w/ Brown Stripe
37	Black		

Overall Jacket: Gas/vapor-tight heavy duty, flame and oil resistant neoprene (black) per UL-1277 and ICEA S-73-532 part 4

Standards:

- OSHA acceptable
- Recognized for use in Class 1 or 2, Division 2 hazardous locations
- Cables pass UL 1277 and IEEE 383 (70,000 BTU) flame tests
- Cables are rated as Type TC, 600 volts, 90°C
- UL Type power and control tray cables and Articles 318, 340, 500, and 501 of the NEC

Part#	AWG Size	Number of Cond.	Jacket Thickness	Nom of OD	Lbs./M
AS11402	14	2	.030"	.240"	28
AS11407	14	7	.030"	.240"	28
AS11802	18	2	.045"	.275"	46
AS11803	18	3	.045"	.290"	50
AS11804	18	4	.045"	.315"	60
AS11805	18	5	.045"	.335"	71
AS11806	18	6	.045"	.365"	83
AS11807	18	7	.045"	.380"	106
AS11808	18	8	.045"	.420"	109
AS11809	18	9	.045"	.450"	120
AS11810	18	10	.045"	.455"	126
AS11811	18	11	.045"	.470"	135
AS11812	18	12	.045"	.470"	142

Part#	AWG Size	Number of Cond.	Jacket Thickness	Nom of OD	Lbs./M
AS11813	18	13	.045"	.490"	153
AS11814	18	14	.045"	.490"	165
AS11815	18	15	.045"	.515"	170
AS11816	18	16	.045"	.515"	175
AS11817	18	17	.060"	.590"	230
AS11818	18	18	.060"	.590"	230
AS11819	18	19	.060"	.590"	240
AS11821	18	21	.060"	.605"	270
AS11824	18	24	.060"	.660"	285
AS11825	18	25	.060"	.680"	300
AS11830	18	30	.060"	.700"	335
AS11837	18	37	.060"	.775"	386

Note: The data shown are approximate and subject to standard industry and manufacturer tolerances.

RED BATTERY CABLES

Part	Length	Gauge	Leads	Mount
04100	10"	6	0	Top
04101	12"	6	0	Top
04102	15"	6	0	Top
04103	20"	6	0	Top
04104	24"	6	0	Top
04105	30"	6	0	Top
04106	38"	6	0	Top
04107	42"	6	0	Top
04108	25"	6	1	Top
04109	32"	6	1	Top
04110	38"	6	1	Top
04111	43"	6	1	Top
04112	48"	6	1	Top
04113	50"	6	1	Top
04114	53"	6	1	Top
04115	56"	6	1	Top
04116	63"	6	1	Top
04138	10"	4	0	Top
04139	12"	4	0	Top
04140	15"	4	0	Top
04141	20"	4	0	Top
04142	25"	4	0	Top
04143	27"	4	0	Top
04144	32"	4	0	Top
04145	34"	4	0	Top
04146	38"	4	0	Top
04147	43"	4	0	Top
04148	48"	4	0	Top
04149	53"	4	0	Top
04150	56"	4	0	Top
04151	65"	4	0	Top
04152	72"	4	0	Top
04168	10"	4	1	Top
04169	12"	4	1	Top
04170	15"	4	1	Top
04171	20"	4	1	Top
04172	25"	4	1	Top
04173	27"	4	1	Top
04174	32"	4	1	Top
04175	34"	4	1	Top
04176	38"	4	1	Top
04177	43"	4	1	Top
04178	48"	4	1	Top
04179	53"	4	1	Top

Part	Length	Gauge	Leads	Mount
04180	56"	4	1	Top
04181	65"	4	1	Top
04182	72"	4	1	Top
04183	78"	4	1	Top
04200	10"	2	0	Top
04201	15"	2	0	Top
04202	20"	2	0	Top
04203	23"	2	0	Top
04204	27"	2	0	Top
04205	32"	2	0	Top
04206	34"	2	0	Top
04207	38"	2	0	Top
04208	43"	2	0	Top
04209	48"	2	0	Top
04210	53"	2	0	Top
04211	58"	2	0	Top
04212	65"	2	0	Top
04213	72"	2	0	Top
04228	10"	2	1	Top
04229	15"	2	1	Top
04230	20"	2	1	Top
04231	25"	2	1	Top
04232	27"	2	1	Top
04233	32"	2	1	Top
04234	34"	2	1	Top
04235	38"	2	1	Top
04236	43"	2	1	Top
04237	48"	2	1	Top
04238	53"	2	1	Top
04239	58"	2	1	Top
04240	65"	2	1	Top
04241	72"	2	1	Top
04256	20"	4	1	Side
04257	25"	4	1	Side
04258	30"	4	1	Side
04259	35"	4	1	Side
04260	40"	4	1	Side
04261	45"	4	1	Side
04262	50"	4	1	Side
04263	55"	4	1	Side
04264	65"	4	1	Side
04265	78"	4	1	Side

RED SWITCH - TO - STARTER CABLES



Part	Length	Gauge	Leads
04276	16"	4	0
04277	18"	4	0
04278	24"	4	0
04279	32"	4	0
04280	40"	4	0
04281	49"	4	0
04288	16"	2	0
04289	18"	2	0

Part	Length	Gauge	Leads
04290	24"	2	0
04291	32"	2	0
04292	40"	2	0
04293	49"	2	0



BLACK BATTERY CABLES



Part	Length	Gauge	Leads	Mount
04117	10"	6	0	Top
04118	12"	6	0	Top
04119	15"	6	0	Top
04120	20"	6	0	Top
04121	24"	6	0	Top
04122	30"	6	0	Top
04123	38"	6	0	Top
04124	42"	6	0	Top
04125	25"	6	1	Top
04126	32"	6	1	Top
04127	38"	6	1	Top
04128	43"	6	1	Top
04129	48"	6	1	Top
04130	50"	6	1	Top
04131	53"	6	1	Top
04132	56"	6	1	Top
04133	63"	6	1	Top
04153	10"	4	0	Top
04154	12"	4	0	Top
04155	15"	4	0	Top
04156	20"	4	0	Top
04157	25"	4	0	Top
04158	27"	4	0	Top
04159	32"	4	0	Top
04160	34"	4	0	Top
04161	38"	4	0	Top
04162	43"	4	0	Top
04163	48"	4	0	Top
04164	53"	4	0	Top
04165	56"	4	0	Top
04166	65"	4	0	Top
04167	72"	4	0	Top
04184	10"	4	1	Top
04185	12"	4	1	Top
04186	15"	4	1	Top
04187	20"	4	1	Top
04188	25"	4	1	Top
04189	27"	4	1	Top
04190	32"	4	1	Top
04191	34"	4	1	Top
04192	38"	4	1	Top
04193	43"	4	1	Top
04194	48"	4	1	Top
04195	53"	4	1	Top

Part	Length	Gauge	Leads	Mount
04196	56"	4	1	Top
04197	65"	4	1	Top
04198	72"	4	1	Top
04199	78"	4	1	Top
04214	10"	2	0	Top
04215	15"	2	0	Top
04216	20"	2	0	Top
04217	23"	2	0	Top
04218	27"	2	0	Top
04219	32"	2	0	Top
04220	34"	2	0	Top
04221	38"	2	0	Top
04222	43"	2	0	Top
04223	48"	2	0	Top
04224	53"	2	0	Top
04225	58"	2	0	Top
04226	65"	2	0	Top
04227	72"	2	0	Top
04242	10"	2	1	Top
04243	15"	2	1	Top
04244	20"	2	1	Top
04245	25"	2	1	Top
04246	27"	2	1	Top
04247	32"	2	1	Top
04248	34"	2	1	Top
04249	38"	2	1	Top
04250	43"	2	1	Top
04251	48"	2	1	Top
04252	53"	2	1	Top
04253	58"	2	1	Top
04254	65"	2	1	Top
04255	72"	2	1	Top
04266	20"	4	1	Side
04267	25"	4	1	Side
04268	30"	4	1	Side
04269	35"	4	1	Side
04270	40"	4	1	Side
04271	45"	4	1	Side
04272	50"	4	1	Side
04273	55"	4	1	Side
04274	65"	4	1	Side
04275	78"	4	1	Side

BLACK SWITCH - TO - STARTER CABLES



Part	Length	Gauge	Leads
04282	16"	4	0
04283	18"	4	0
04284	24"	4	0
04285	32"	4	0
04286	40"	4	0
04287	49"	4	0
04294	16"	2	0
04295	18"	2	0

Part	Length	Gauge	Leads
04296	24"	2	0
04297	32"	2	0
04298	40"	2	0
04299	49"	2	0

CRIMPER

Crimps:
10 ga. - 1 ga.



50101

CRIMPER

Crimps:
10 ga. - 4/0 ga.



50102

LARGE PUNCH CRIMPER

Crimps:
6 ga. - 4/0 ga.



50106

HAMMER CRIMPER

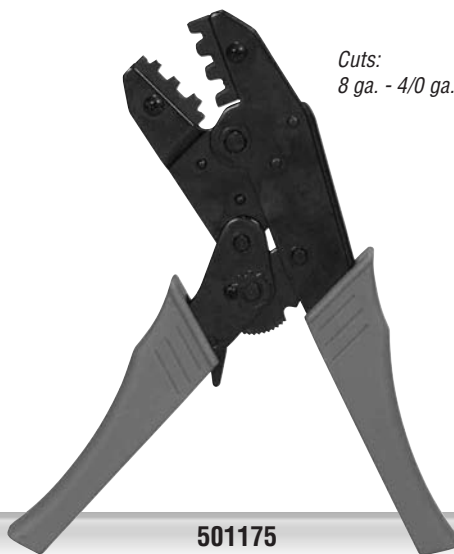
Crimps:
8 ga. - 4/0 ga.



50105

RATCHET CRIMPER

Cuts:
8 ga. - 4/0 ga.



501175

TERMINAL CLEANER



50148

TERMINAL CLEANER



50108

TERMINAL PULLER



50109

TERMINAL SPREADER



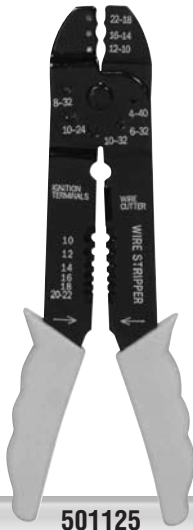
50110

BATTERY SERVICE PLIERS - 7"



50111

WIRE CUTTER / CRIMPER



501125

WIRE CUTTER - 8"



50160

WIRE CUTTER - 6"



50161

WIRE CUTTER



50103

CABLE CUTTER

Cuts:
8 ga. - 4/0 ga.



50123

CABLE CUTTER

Cuts:
8 ga. - 250mcm



50162

WIRE STRIPPER

8 ga. - 4/0 ga.



50104

WIRE STRIPPER

20 ga. - 10 ga.



50121

WIRE STRIPPER

26 ga. - 8 ga.



501165

BATTERY TERMINALS

462



2-4/0 Gauge
05301



Epoxy/Red
05305



Epoxy/Black
05306



Wing Nut
05307



Epoxy/Red with Wing Nut
05310



Epoxy/Black with Wing Nut
05311



Quick Disconnect
05312



Post/Threaded
05318



3 Way 6-1G Positive
05439



3 Way 6-1G Negative
05440



3 Way 2-4G Negative
1512137



3 Way 2-4G Positive
1512138



Side Mount
53707



Top Mount
53710



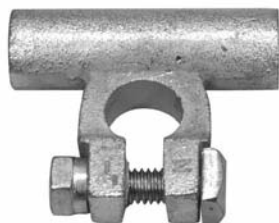
2/0 Gauge Universal Polarity
57753



2/0 Gauge Universal Polarity
57762



Terminal (Toyota)
80982-76027-71



TYPE
A



TYPE
B



TYPE
C



TYPE
D

PART#	GAUGE	POLARITY	TERMINAL	TYPE
57701	4	Positive	Straight	D
57702	4	Negative	Straight	D
57703	1-2	Positive	Straight	D
57704	1-2	Negative	Straight	D
57705	1/0	Positive	Straight	D
57706	1/0	Negative	Straight	D
57707	2/0	Positive	Straight	D
57708	2/0	Negative	Straight	D
57709	3/0	Positive	Straight	D
57710	3/0	Negative	Straight	D
57711	4/0	Positive	Straight	D
57712	4/0	Negative	Straight	D
57721	1/0	Positive	Flag	A
57722	1/0	Negative	Flag	A
57723	2/0	Positive	Flag	A
57724	2/0	Negative	Flag	A
57725	3/0	Positive	Flag	A
57726	3/0	Negative	Flag	A

PART#	GAUGE	POLARITY	TERMINAL	TYPE
57727	4/0	Positive	Flag	A
57728	4/0	Negative	Flag	A
57730	1/0	Positive	Right Elbow	B
57731	1/0	Negative	Right Elbow	B
57732	2/0	Positive	Right Elbow	B
57733	2/0	Negative	Right Elbow	B
57734	3/0	Positive	Right Elbow	B
57735	3/0	Negative	Right Elbow	B
57736	4/0	Positive	Right Elbow	B
57737	4/0	Negative	Right Elbow	B
57740	1/0	Positive	Left Elbow	C
57741	1/0	Negative	Left Elbow	C
57742	2/0	Positive	Left Elbow	C
57743	2/0	Negative	Left Elbow	C
57744	3/0	Positive	Left Elbow	C
57745	3/0	Negative	Left Elbow	C
57746	4/0	Positive	Left Elbow	C
57747	4/0	Negative	Left Elbow	C

BATTERY ACCESSORIES

464

BATTERY SURE GRIP CARRIER



00197

BATTERY HOLD DOWN KIT



50149

BATTERY TRAY



BT-LARGE

BOOSTER CABLE SET



5408

BATTERY FILLER
TWO QUART



00318

BATTERY FILLER
BULB TYPE



00257

HYDROMETER
STANDARD FLOAT



00199

HYDROMETER
TEMPERATURE / FLOAT



00231

BATTERY TESTER
DIAL INDICATOR



00198

DIGITAL VOLTMETER



08751

SIDE TERMINAL WRENCH



00683

HEAT SHRINKABLE TUBING



Part#	Expanded Diameter	Shrunk Diameter	Gauge	Color
05402	1/2"	1/4"	8 - 2 ga.	Black
05403	1/2"	1/4"	8 - 2 ga.	Red
05404	3/4"	3/8"	1 - 2/0 ga.	Black
05405	3/4"	3/8"	1 - 2/0 ga.	Red
05406	1"	1/2"	1/0 - 4/0 ga.	Black
05407	1"	1/2"	1/0 - 4/0 ga.	Red

* All Heat Shrinkable Tubing sold in packages of 6

BATTERY CABLE TERMINAL PROTECTOR BOOTS



Straight



Flag



Left Elbow



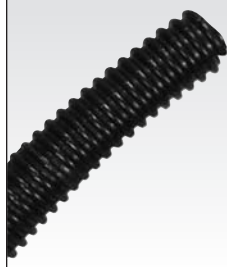
Right Elbow

Part#	Boot Style	Gauge	Color
06100	Straight	4-6	Black
06101	Straight	4-6	Red
06102	Straight	1-2	Black
06103	Straight	1-2	Red
06104	Straight	1/0-2/0	Black
06105	Straight	1/0-2/0	Red
06112	Flag	2	Black
06113	Flag	2	Red
06106	Flag	2/0	Black
06107	Flag	2/0	Red
06114	Right Elbow	2	Black
06115	Right Elbow	2	Red
06108	Right Elbow	2/0	Black
06109	Right Elbow	2/0	Red
06116	Left Elbow	2	Black
06117	Left Elbow	2	Red
06110	Left Elbow	2/0	Black
06111	Left Elbow	2/0	Red

BLACK CABLE LOOM

All Cable Loom is coiled and boxed in 100 foot lengths

Polyethylene



Part#	Inside Dia.
05749	1/4"
05750	3/8"
05751	1/2"
05752	5/8"

CABLE TIES

*All Cable Ties are sold in a container of 100 pieces

Black or White



Part#	Color	Length
05716	White	5"
05717	White	7"
05718	White	11"
05723	White	14"
05724	Black	5"
05725	Black	7"
05726	Black	11"
05727	Black	14"
05764	Black	24"

* Part# 05764 sold in a 50 pack not 100

FORWARD & REVERSE



KALMAR AC

4969981

KOMATSU

3EB-35-21131

FORWARD & REVERSE



KOMATSU

3EB-35-21141

LIFT



KALMAR AC

4965195

KOMATSU

3EB-61-21241

TILT



KALMAR AC

4965196

KOMATSU

3EB-61-21251

STEERING WHEEL



33198

STEERING WHEEL



Metal

63072

STEERING WHEEL



KNOB-40

STEERING WHEEL



KNOB-50

STEERING WHEEL



KNOB-60

HOOD HINGE



KALMAR AC

4949494

KOMATSU

3EB-50-21160

HOOD LATCH



KOMATSU

3EB-50-31271

HOOD HINGE



TCM

25786-40601

HOOD HINGE



TOYOTA

52209-23800-71

Features & Specification:

UOM: EA
Size: 2 lbs

Dimensions:
10.95" H X 3.25" Diameter

Technical Data:

- UL Rating: 5-B:C
- Effective Against Class: BC
- Shipping: 2.85 lbs
- Discharge Time: 8 to 12 sec
- Discharge Range: 4 to 6 ft
- Operating Pressure: 100 PSI
- Expellant: Sodium Bicarbonate
- Cylinder Material: Aluminum
- Valve Material: Nylon
- USCG Approval: Yes (when fitted with mounting bracket)
- USCG Bracket: Supplied with Plastic Bracket with Metal Strap (UL Approved)

Properties:

- Suitable for use on Class B (liquids and gases) and Class C fires (energized electrical equipment)
- Fitted with a pressure gauge that provides at-a-glance status
- Clear instruction label using graphics to show steps required to operate extinguisher
- Easy-to-pull safety pin
- Powder coated cylinder for corrosion protection
- USCG, D.O.T. approved
- 6 year limited warranty



Features & Specification:

UOM: EA
Size: 2.9 lbs

Dimensions:
13.75" H X 3.25" Diameter

Technical Data:

- UL Rating: 10-B:C
- Effective Against Class: BC
- Shipping: 3.9 lbs
- Discharge Time: 8 to 12 sec
- Discharge Range: 6 to 8 ft
- Operating Pressure: 100 PSI
- Expellant: Sodium Bicarbonate
- Cylinder Material: Aluminum
- Valve Material: Nylon
- USCG Approval: Yes (when fitted with mounting bracket)
- USCG Bracket: Supplied with Plastic Bracket with Metal Strap (UL Approved)

Properties:

- Suitable for use on Class B (liquids and gases) and Class C fires (energized electrical equipment)
- Fitted with a pressure gauge that provides at-a-glance status
- Clear instruction label using graphics to show steps required to operate extinguisher
- Easy-to-pull safety pin
- 6 year limited warranty



FE-10

Features & Specification:

UOM: EA
Size: 2.5 lbs

Dimensions:
13.75" H X 3.25" Diameter

Technical Data:

- UL Rating: 1-A, 10-B:C
- Effective Against Class: ABC
- Shipping: 3.9 lbs
- Discharge Time: 8 to 12 sec
- Discharge Range: 6 to 8 ft
- Operating Pressure: 100 PSI
- Expellant: Monoammonium Phosphate
- Cylinder Material: Aluminum
- Valve Material: Nylon
- USCG Approval: Yes (when fitted with mounting bracket)
- USCG Bracket: Supplied with Nylon Strap (UL Approved)

Properties:

- Suitable for use on Class A (trash, wood and paper), Class B (liquids and gases) and Class C fires (energized electrical equipment)
- Fitted with a pressure gauge that provides at-a-glance status
- Clear instruction label using graphics to show steps required to operate extinguisher
- Easy-to-pull safety pin
- Powder coated cylinder for corrosion protection
- USCG, D.O.T. approved
- 6 year limited warranty



FE-20

Features & Specification:

UOM: EA
Size: 5 lbs

Dimensions:
16.07" H X 4.5" Diameter

Technical Data:

- UL Rating: 3-A, 40-B:C
- Effective Against Class: ABC
- Shipping: 7.9 lbs
- Discharge Time: 13 to 15 sec
- Discharge Range: 12 to 18 ft
- Operating Pressure: 195 PSI
- Expellant: Monoammonium Phosphate
- Cylinder Material: Aluminum
- Valve Material: Metal
- Bracket: Supplied with Metal Retention Bracket

Properties:

- Suitable for use on Class A (trash, wood and paper), Class B (liquids and gases) and Class C fires (energized electrical equipment)
- Fitted with a pressure gauge that provides at-a-glance status
- Clear instruction label using graphics to show steps required to operate extinguisher
- Easy-to-pull safety pin
- Powder coated cylinder for corrosion protection
- 6 year limited warranty



FE-30

Features & Specification:

UOM: EA

Color: Black

Properties:

- Bracket Type: Plastic Wall or Vehicle Bracket
- This is a wall bracket that will be able to hold fire extinguishers: FE-10, FE-20, FE-30, FE-40 securely.
- This bracket is made for plastic walls or use within vehicles such as a fire truck or emergency vehicle



FE-PLASTIC-BRKT

FE-40

Features & Specification:

UOM: EA

Color: Black

Properties:

- Metal Mounting Bracket with Strap (MB15)
- This is a wall bracket that will be able to hold fire extinguishers: FE-10, FE-20, FE-30, FE-40 securely.
- This bracket is able to hold 2.5 lb thru 2.75 lb.



FE-METAL-BRKT

ANTI-FREEZE TESTER



Ball Type
00233

ANTI-FREEZE TESTER



Dial Type
00234

ELECTRICAL TAPE



Sold In Individual Rolls
W502

ELECTRICAL TAPE



2 Rolls Per Pack
W3102

FAN



Oscillating Fan
FAN-71085

GRIP, OVERHEAD GUARD



TOYOTA
74620-76001-71

KNIFE



Folding Knife
W9310

FLASHLIGHT



LED
W2389

FLASHLIGHT



2 Piece Set
W2412

CALIPER

Case Included



6 inches
CALIPER-6

12 inches
CALIPER-12

**#1
Choice For
Mechanics**

LATEX GLOVES

100 Pieces Per Container



Small
DS501100

Medium
DS501200

Large
DS501300

X-Large
DS501400

WORK LIGHT



Pen Light
W2416

WORK LIGHT



32 LED LIGHTS
32-300

WORK LIGHT



62 LED LIGHTS
62-400

WORK LIGHT



110 Volt
58012-LAMP

WORK LIGHT



2-24 Volts
56400-LAMP

GUARD



TOYOTA
58702-U2100-71

PEN & CUP HOLDER



HYSTER
3026877

YALE
1501056-00

PEN / CUP HOLDER



TOYOTA
58710-U2130-71

SAFETY GOGGLES



2220RC

SAFETY GOGGLES



28550C

SAFETY GLASSES



BK110C

SAFETY GLASSES



KD110C

SOLENOID



Solenoid (Delco)

197

PUSH / PULL SWITCH



TOYOTA

2302

SWITCH



Hydraulic Switch

896054

SWITCH



9537

TAPE MEASURE SET



2 Piece Set

W5124BP

TIRE GAUGE



W9106

TIRE GAUGE



Digital

W9107

WHEEL CHOCK



Wheel Chock

50-300

PORTABLE JUMP STARTER

NEW CONVENIENT JUMP-STARTER 300

The PEAK 300 Amp Jump Starter gives you the safer way to start a dead battery. The patented Low Charge Alert system means that you will never have the jumper battery be without power in an emergency. Each system also delivers portable 12V power wherever you go.

SPECIFICATIONS:

- 300 amps of instant starting power
- 600 peak amps
- Reverse polarity indicator alarm
- Multi
- LED battery status indicator
- Low battery recharge alarm
- Keyless on/off
- AC/DC charging and 12 volt outlet
- High impact resistant housing with rubberized non-slip surface



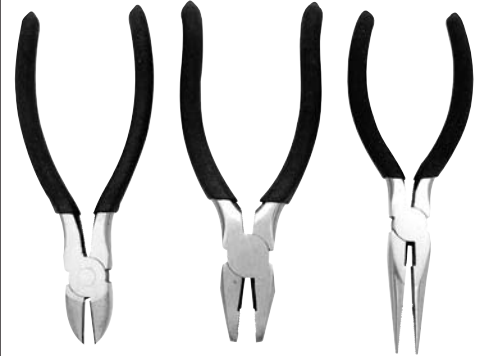
PS-120A



Magnetic Pick-Up Tool

W9101


Joint Pliers 10"

1915


Plier Set (3 Piece)

1916


Screwdriver Set (10 Piece)

1909


Screwdriver (6 Bit)

W80031


Screwdriver (6 In 1)

W80033


Pocket Screwdriver Set (2 Pcs)

W9157


Ratcheting Screwdriver Set

W9159


Shop Tool Set (165 Piece)

W1526


Home Tool Set (107 Piece)

W1532


Multi Tool Set (2 Piece)

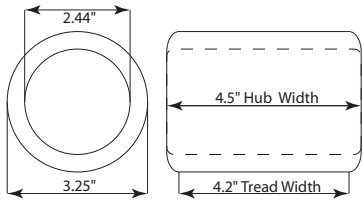
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Wrench Set (22 Piece)

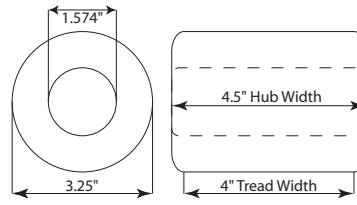
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STEER & LOAD WHEELS

472



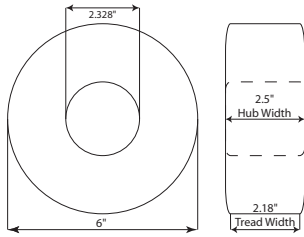
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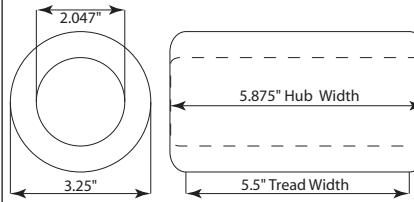
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95A
WH-408-95D

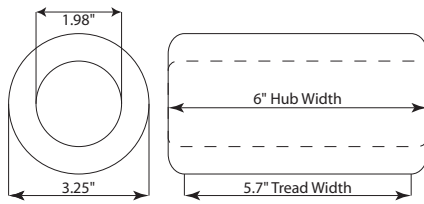
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WH-408-A-95D



92A
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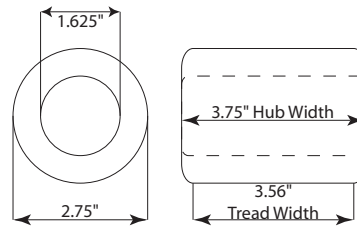
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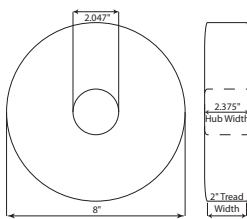
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95A
WH-424-95D

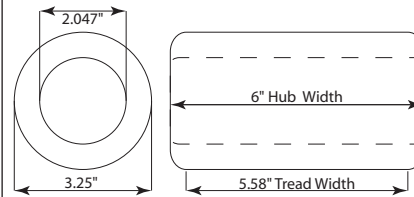
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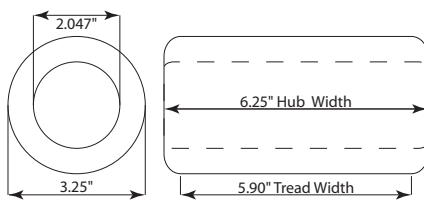
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WH-426



92A
WH-428



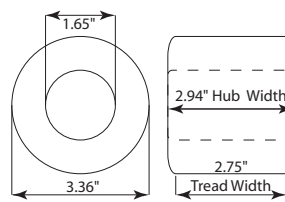
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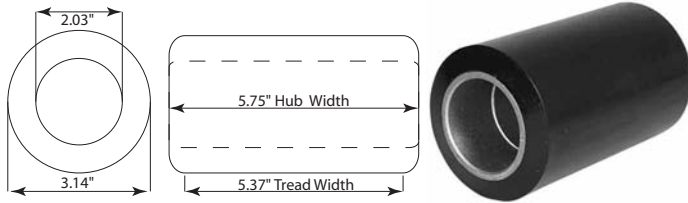
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95A
WH-432-95D

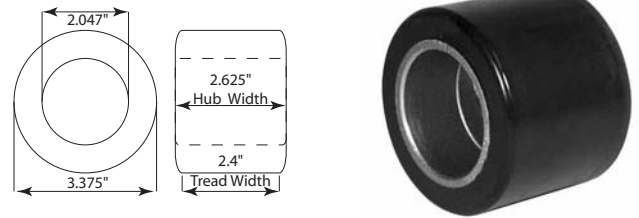
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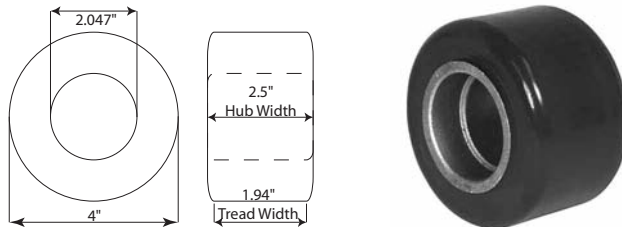
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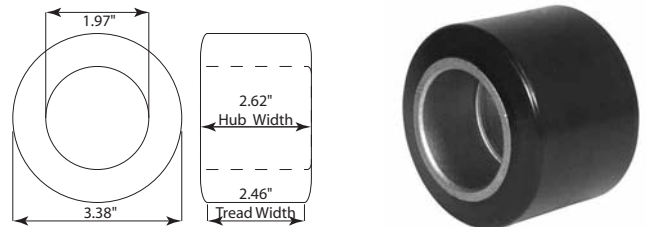
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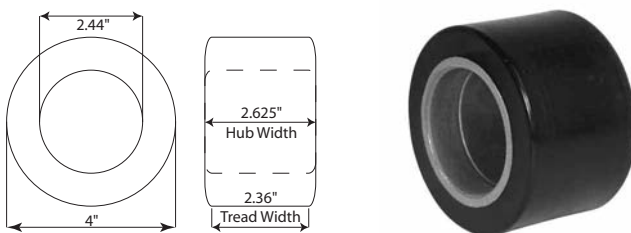
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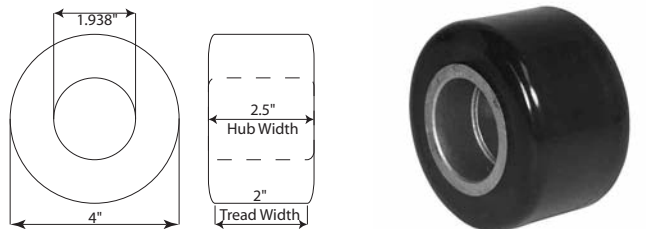
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92A
WH-442



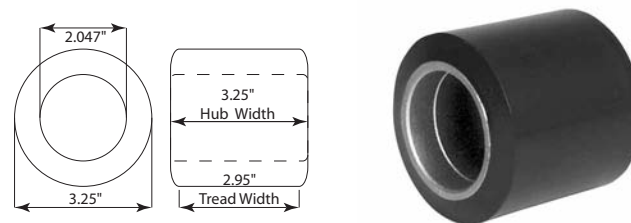
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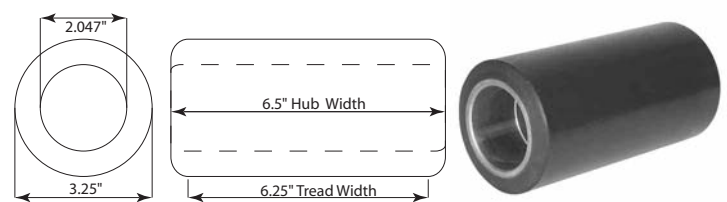
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95A
WH-446-95D

95A W/Bearings
WH-446-A-95D



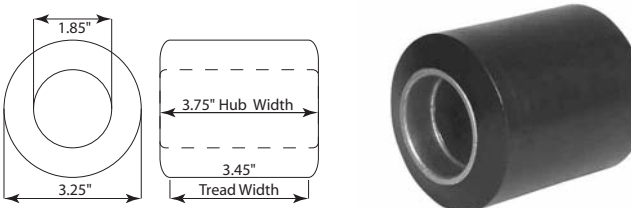
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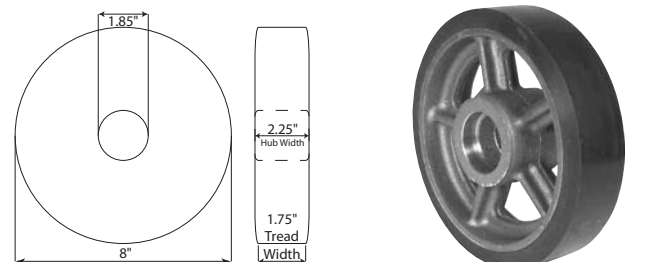
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95A
WH-450-95D

95A W/Bearings
WH-450-A-95D



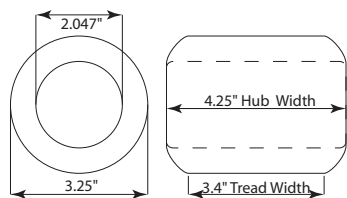
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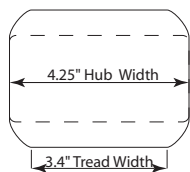
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STEER & LOAD WHEELS

474



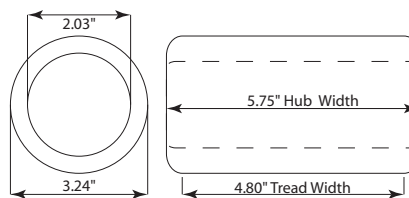
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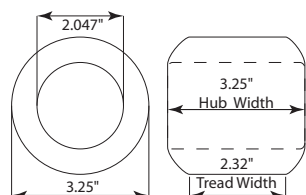
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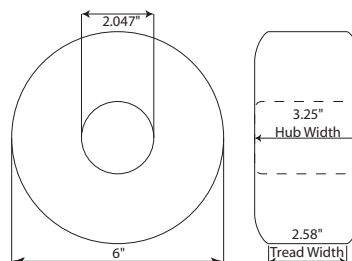
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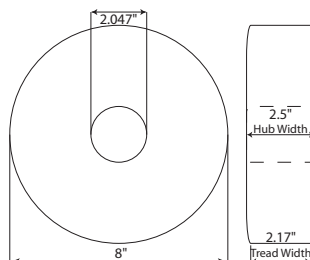
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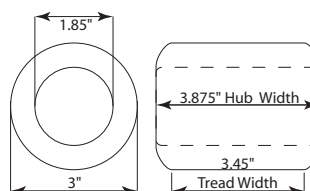
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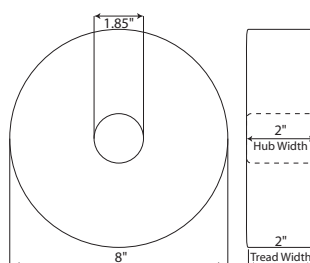
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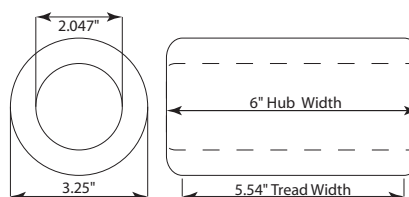
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WH-464



92A
WH-466



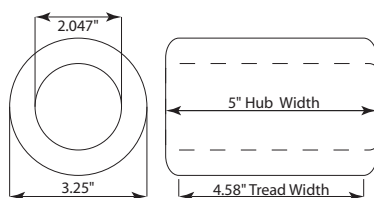
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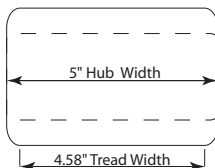
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95A W/Bearings
WH-470-A-95D



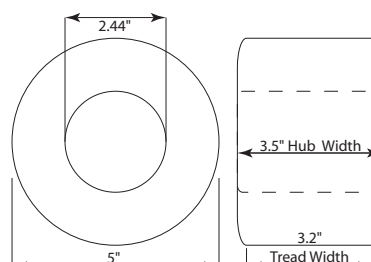
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WH-472



95A
WH-472-95D

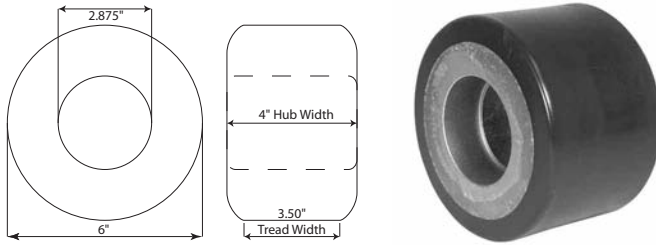


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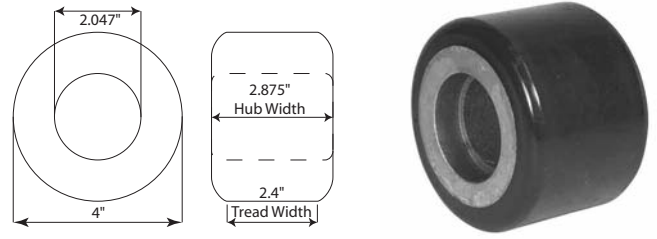


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WH-474





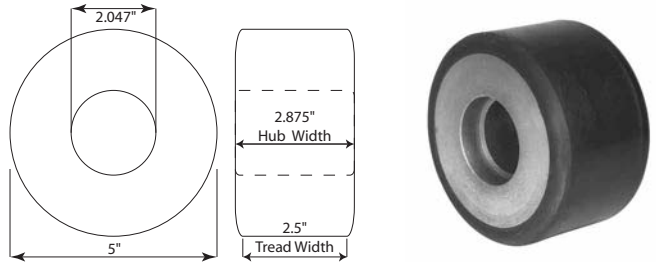
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WH-476



92A
WH-478

95A
WH-478-95D

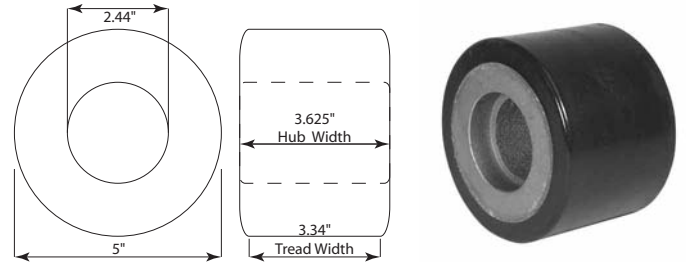
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WH-478-A-95D



92A
WH-480

95A
WH-480-95D

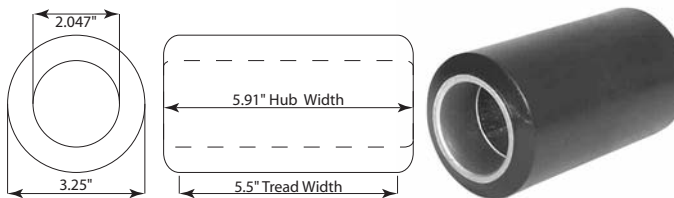
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WH-480-A-95D



92A
WH-482

95A
WH-482-95D

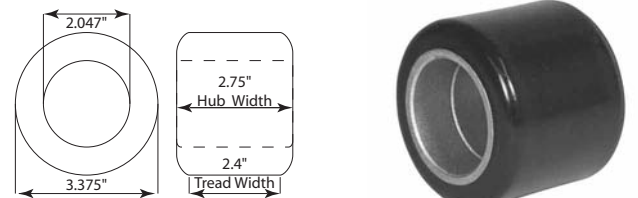
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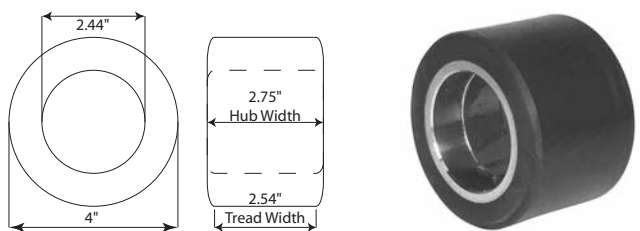
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WH-484

95A
WH-484-95D

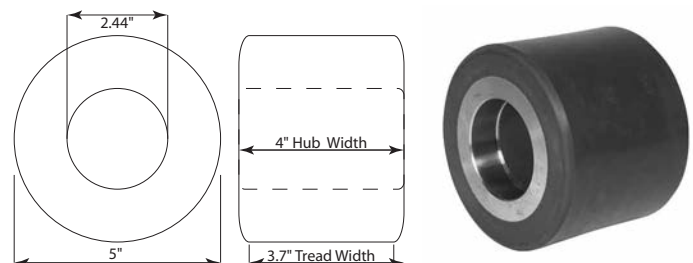
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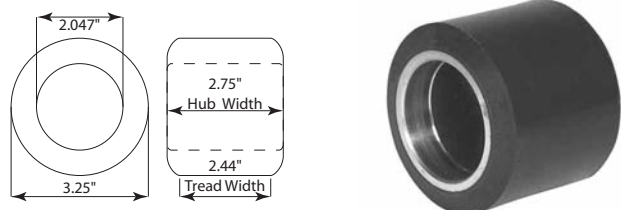
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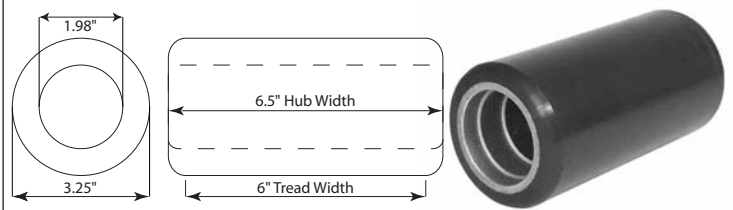
92A
WH-488



92A
WH-490



92A
WH-492

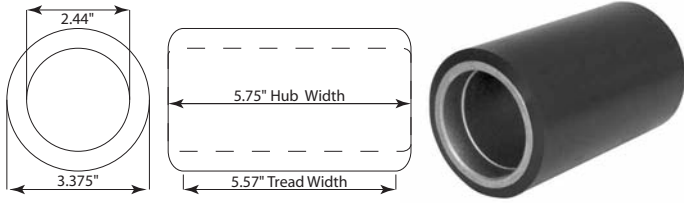


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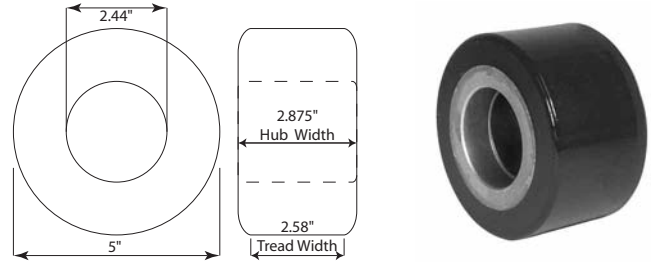
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STEER & LOAD WHEELS

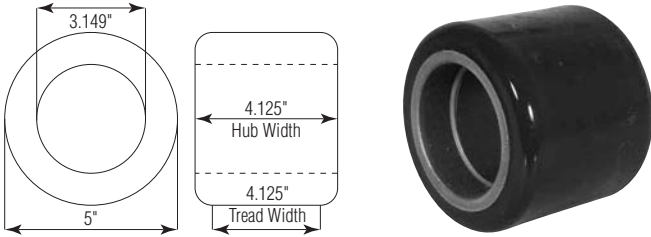
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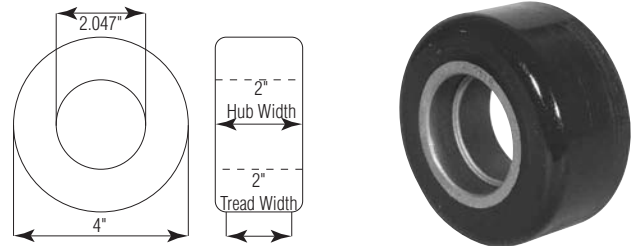
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WH-496



92A
WH-498



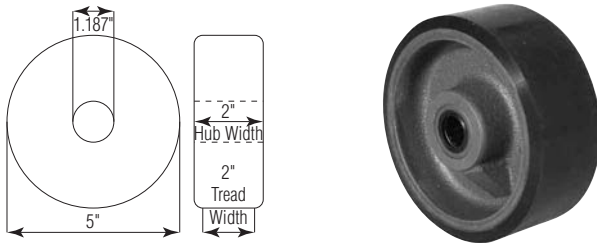
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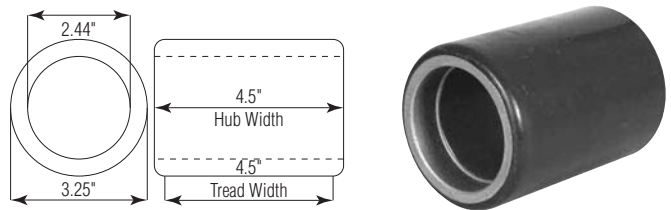
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95A
WH-502-95D

95A W/Bearings
WH-502-A-95D



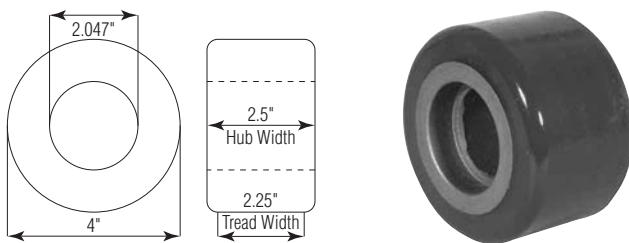
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WH-504



92A
WH-506

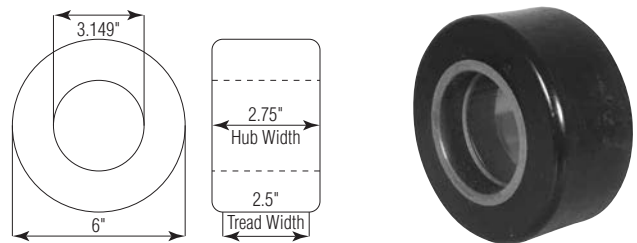
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WH-506-95D

95A W/Bearings
WH-506-A-95D

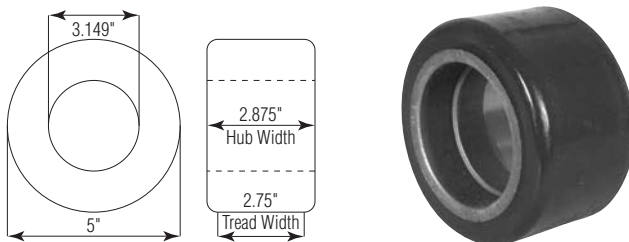


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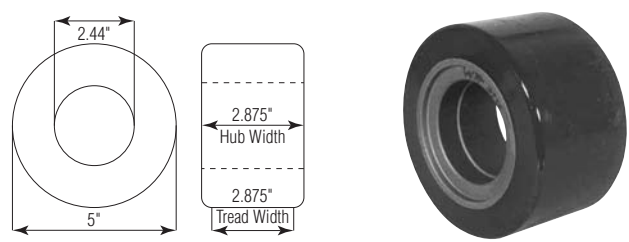
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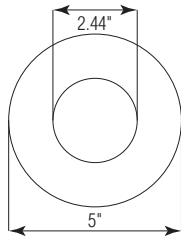
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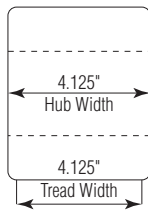
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WH-514



92A
WH-516



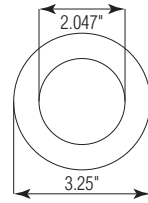
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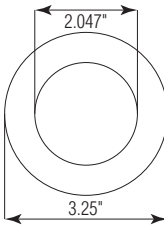
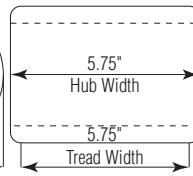
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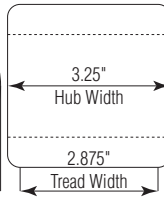
95A W/Bearings
WH-518-A-95D



92A
WH-520



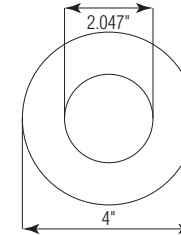
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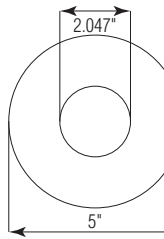
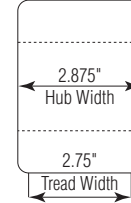
95A
WH-522-95D



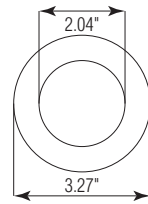
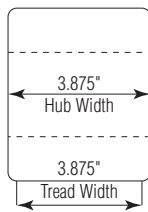
95A W/Bearings
WH-522-A-95D



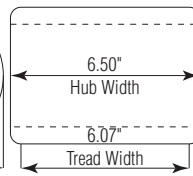
92A
WH-524



92A
WH-526



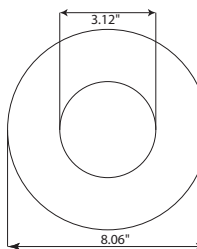
92A
WH-528



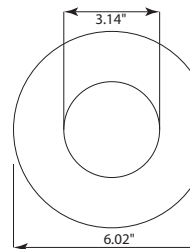
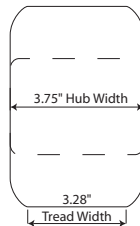
95A
WH-528-95D



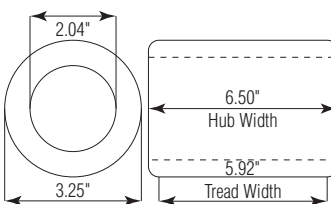
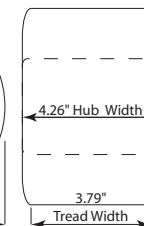
95A W/Bearings
WH-528-A-95D



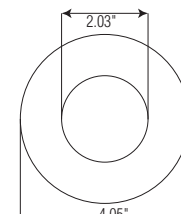
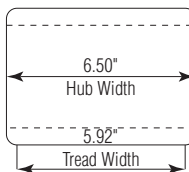
92A
WH-530



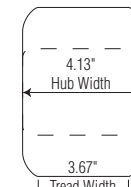
92A
WH-532



92A
WH-534

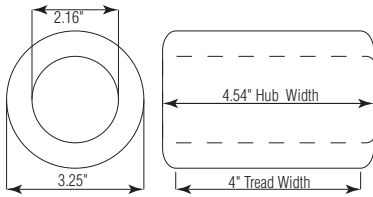


92A
WH-536

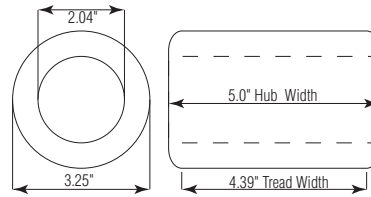


STEER & LOAD WHEELS

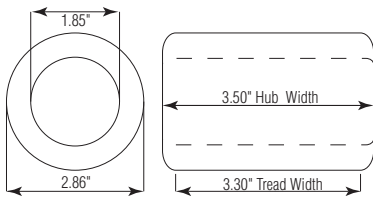
478



92A
WH-538

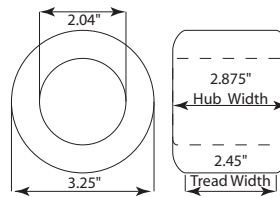


92A
WH-540



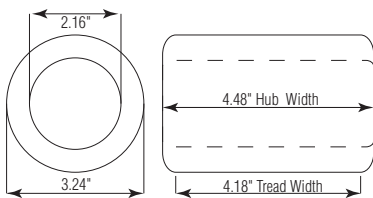
95A
WH-542-95D

95A W/Bearings
WH-542-A-95D



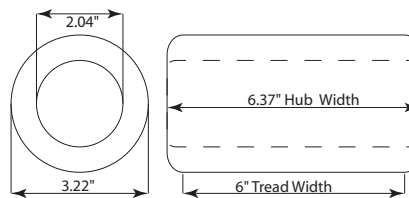
95A
WH-544-95D

95A W/Bearings
WH-544-A-95D



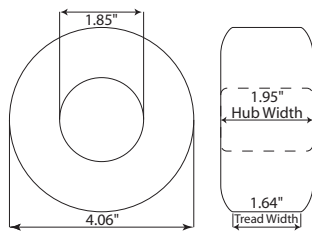
95A
WH-546-95D

95A W/Bearings
WH-546-A-95D

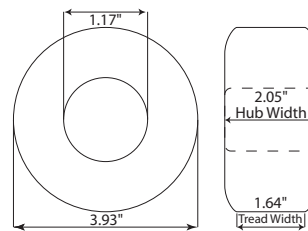


95A
WH-548-95D

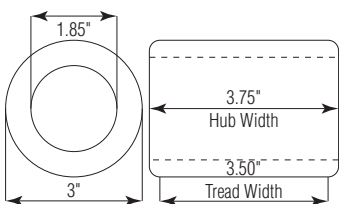
95A W/Bearings
WH-548-A-95D



95A
WH-550-A-95D

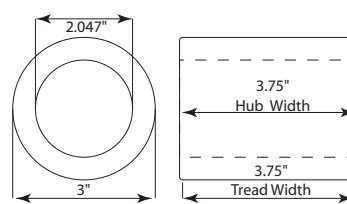


95A
WH-552-A-95D



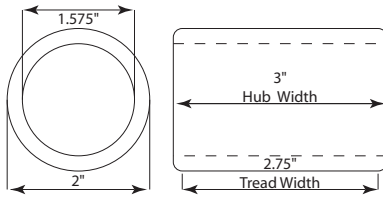
Poly. 70D W/Bearings
WH-554-A

Nylon 70D W/Bearings
WH-554-N-A



Poly. 70D W/Bearings
WH-556-A

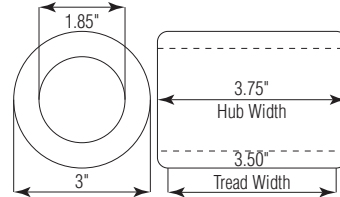
Nylon 70D W/Bearings
WH-556-N-A



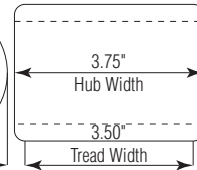
Poly. 70D W/Bearings
WH-558-A



Steel W/Bearings
WH-558-STEEL-A



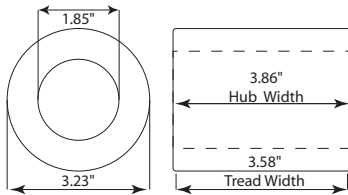
Poly. 70D W/Bearings
WH-560-A



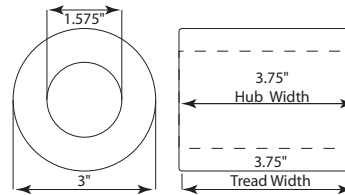
Nylon 70D W/Bearings
WH-560-N-A



Steel W/Bearings
WH-560-STEEL-A



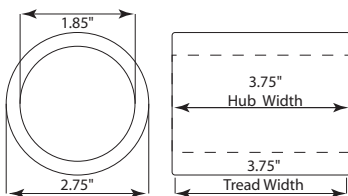
Steel W/Bearings
WH-562-STEEL-A



Poly. 70D W/Bearings
WH-564-A



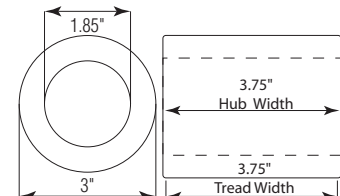
Nylon 70D W/Bearings
WH-564-N-A



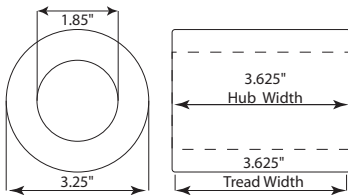
Poly. 70D W/Bearings
WH-566-A



Nylon 70D W/Bearings
WH-566-N-A



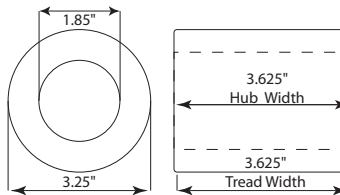
Nylon 70D W/Bearings
WH-568-N-A



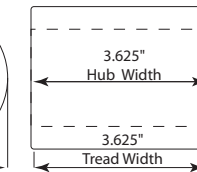
Poly. 70D W/Bearings
WH-570-A



Nylon 70D W/Bearings
WH-570-N-A



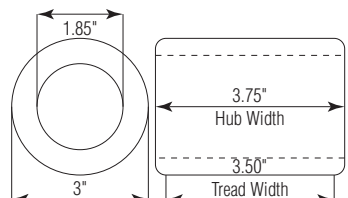
Poly. 70D W/Bearings
WH-572-A



Nylon 70D W/Bearings
WH-572-N-A



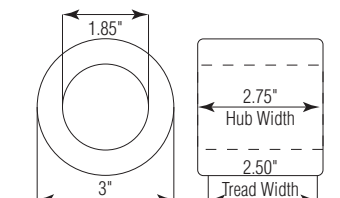
Steel W/Bearings
WH-572-STEEL-A



Poly. 70D W/Bearings
WH-574-A



Poly. Wet App 70D W/Bearings
WH-574-WA-A

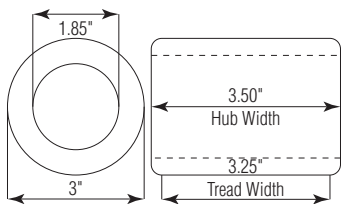


Poly. 70D W/Bearings
WH-576-A

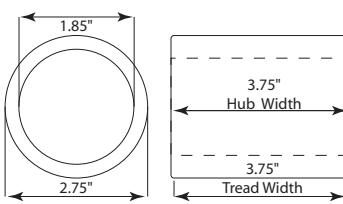


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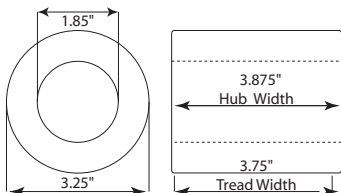
480



Poly. 70D W/Bearings **WH-578-A** Nylon 70D W/Bearings **WH-578-N-A** Steel W/Bearings **WH-578-STEEL-A**

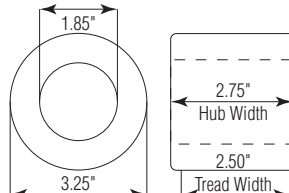


Poly. 70D W/Bearings **WH-580-A**

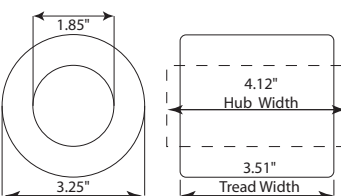


Poly. 70D W/Bearings **WH-582-A**

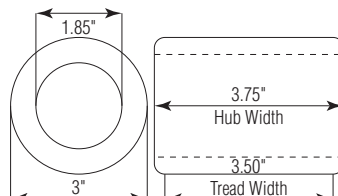
Steel W/Bearings **WH-582-STEEL-A**



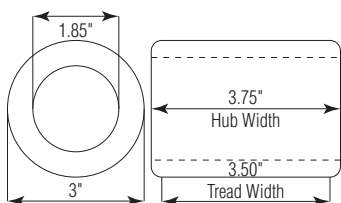
Poly. 70D W/Bearings **WH-584-A**



Poly. 70D W/Bearings **WH-586-A**

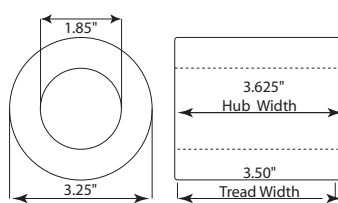


Poly. 70D W/Bearings **WH-588-A** Nylon 70D W/Bearings **WH-588-N-A** Steel W/Bearings **WH-588-STEEL-A**

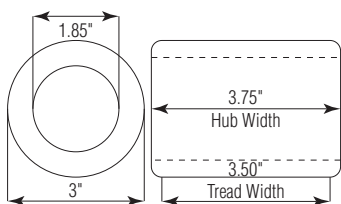


Poly. 70D W/Bearings **WH-590-A**

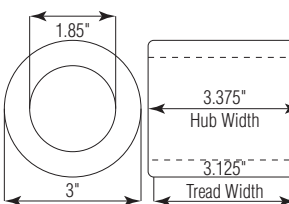
Nylon 70D W/Bearings **WH-590-N-A**



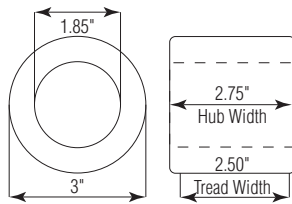
Steel W/Bearings **WH-592-STEEL-A**



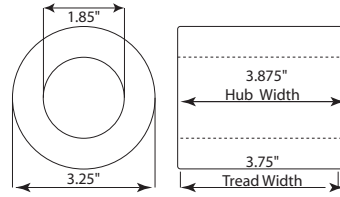
Steel W/Bearings **WH-594-STEEL-A**



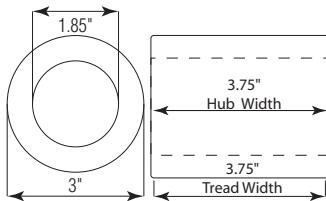
Poly. 70D W/Bearings **WH-596-A**



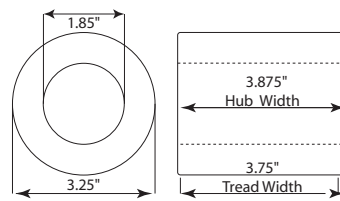
Poly. 70D W/Bearings
WH-600-A



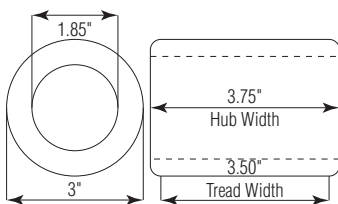
Poly. 70D W/Bearings **WH-602-A** | Nylon 70D W/Bearings **WH-602-N-A** | Steel W/Bearings **WH-602-STEEL-A**



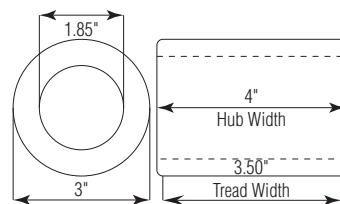
Nylon 70D W/Bearings
WH-604-N-A



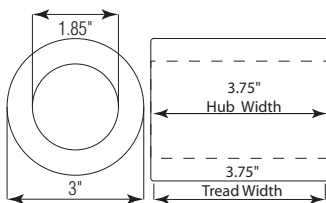
Nylon 70D W/Bearings
WH-606-N-A



Poly. 70D W/Bearings
WH-608-A

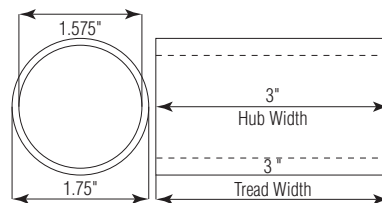


Steel W/Bearings
WH-612-STEEL-A

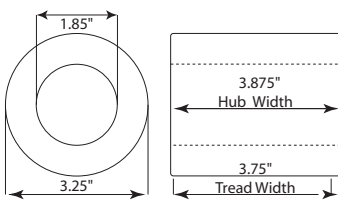


Poly. 70D W/Bearings
WH-614-A

Nylon 70D W/Bearings
WH-614-N-A

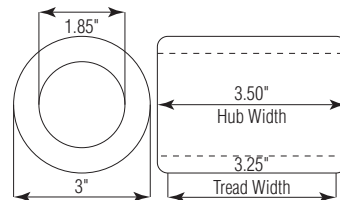


Steel W/Bearings
WH-616-STEEL-A



Poly. 70D W/Bearings
WH-618-A

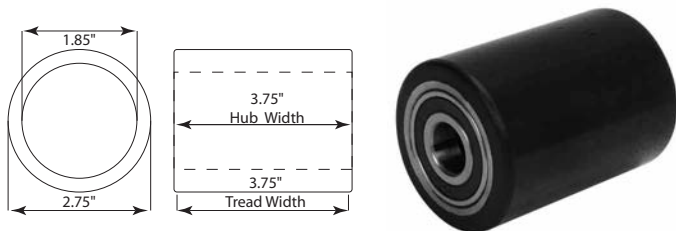
Nylon 70D W/Bearings
WH-618-N-A



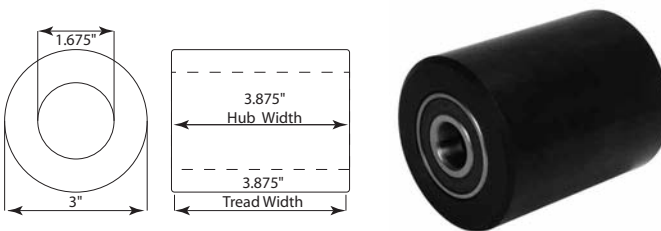
Nylon 70D W/Bearings
WH-620-N-A

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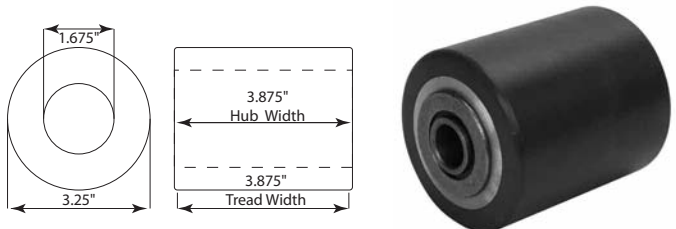
Poly. 70D W/Bearings
WH-622-A



Poly. 70D W/Bearings
WH-624-A

Nylon 70D W/Bearings
WH-624-N-A

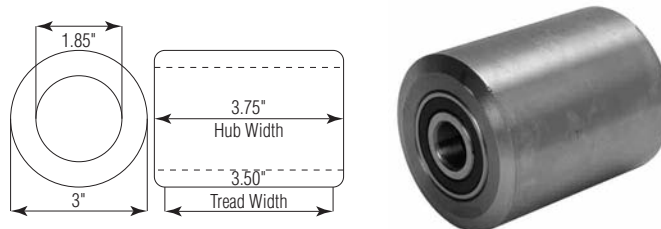
Steel W/Bearings
WH-624-STEEL-A



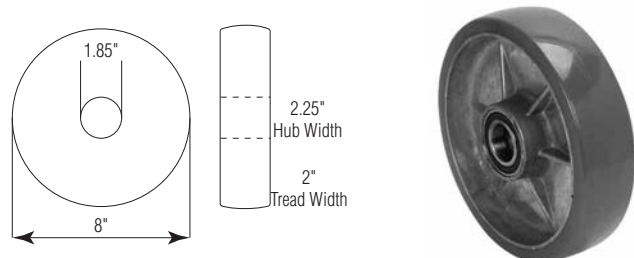
Poly. 70D W/Bearings
WH-626-A

Nylon 70D W/Bearings
WH-626-N-A

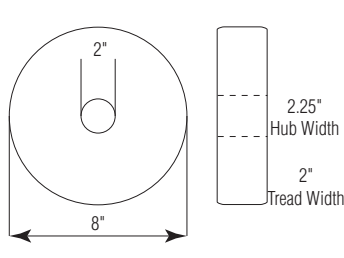
Steel W/Bearings
WH-626-STEEL-A



Steel W/Bearings
WH-628-STEEL-A

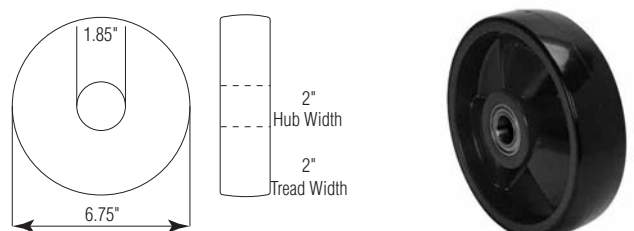


Poly. 70D W/Bearings
WH-630-A

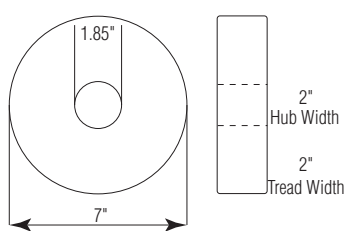


Poly. 70D W/Bearings
WH-632-A

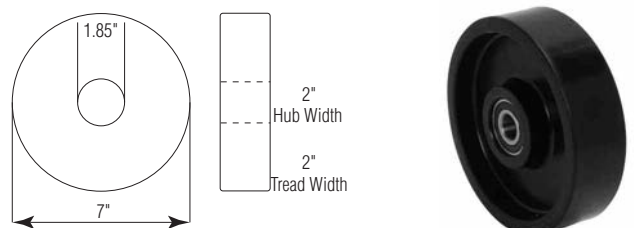
Nylon 70D W/Bearings
WH-632-N-A



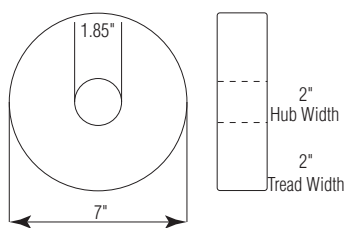
Poly. 70D W/Bearings
WH-634-A



Steel W/Bearings
WH-636-STEEL-A

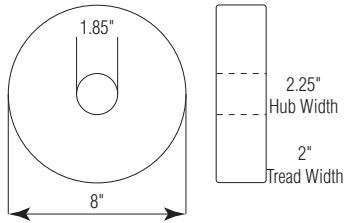


Poly. 70D W/Bearings
WH-638-A

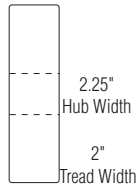


Poly. 70D W/Bearings
WH-640-A

Steel W/Bearings
WH-640-STEEL-A



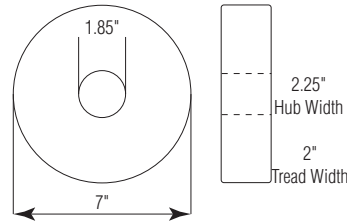
Poly. 70D W/Bearings
WH-642-A



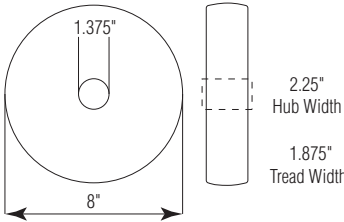
Nylon 70D W/Bearings
WH-642-N-A



Steel W/Bearings
WH-642-STEEL-A



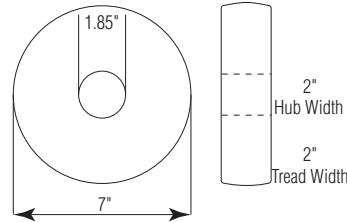
Steel W/Bearings
WH-644-STEEL-A



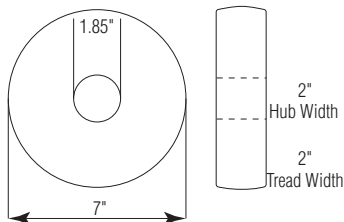
Nylon 70D W/Bearings
WH-646-N-A



Steel W/Bearings
WH-646-STEEL-A



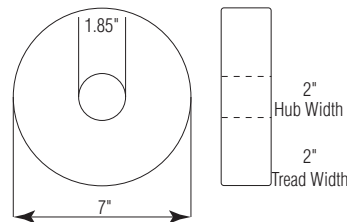
Poly. 70D W/Bearings
WH-648-A



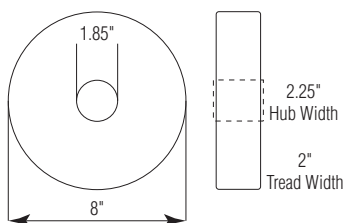
Poly. 70D W/Bearings
WH-650-A



Steel W/Bearings
WH-650-STEEL-A



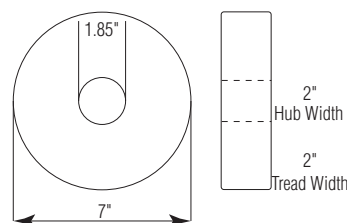
Poly. 70D W/Bearings
WH-652-A



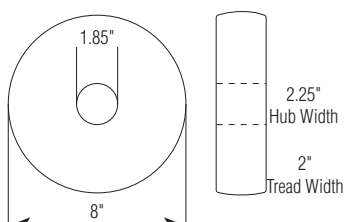
Poly. 70D W/Bearings
WH-654-A



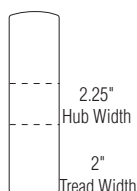
Nylon 70D W/Bearings
WH-654-N-A



Poly. 70D W/Bearings
WH-656-A



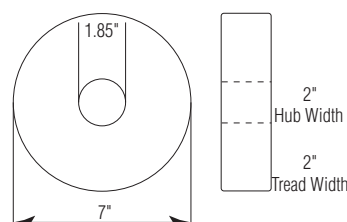
Poly. 70D W/Bearings
WH-658-A



Nylon 70D W/Bearings
WH-658-N-A



Steel W/Bearings
WH-658-STEEL-A



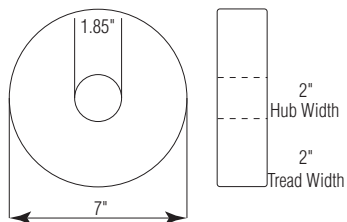
Poly. 70D W/Bearings
WH-660-A



Nylon 70D W/Bearings
WH-660-N-A

STEER & LOAD WHEELS

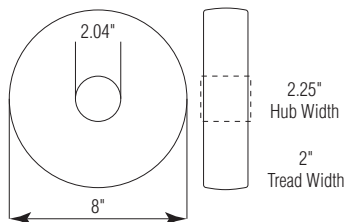
484



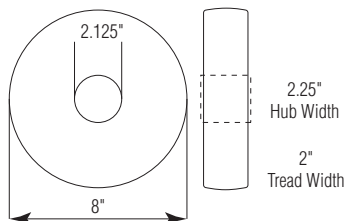
Poly. 70D W/Bearings
WH-662-A



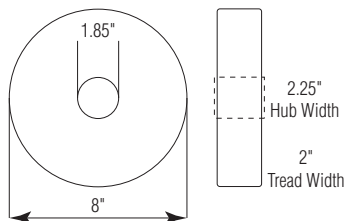
Nylon 70D W/Bearings
WH-662-N-A



Nylon 70D W/Bearings
WH-664-N-A



Poly. 70D W/Bearings
WH-666-A

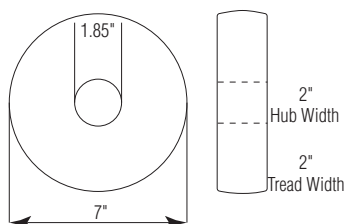


Poly. 70D W/Bearings
WH-668-A

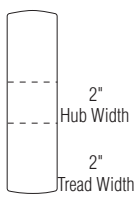
Nylon 70D W/Bearings
WH-668-N-A



Steel W/Bearings
WH-668-STEEL-A



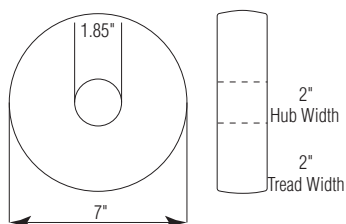
Poly. 70D W/Bearings
WH-670-A



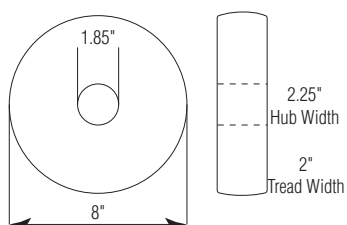
Nylon 70D W/Bearings
WH-670-N-A



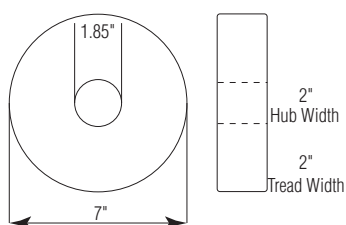
Steel W/Bearings
WH-670-STEEL-A



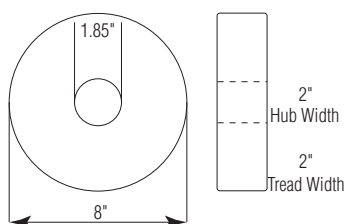
Nylon 70D W/Bearings
WH-672-N-A



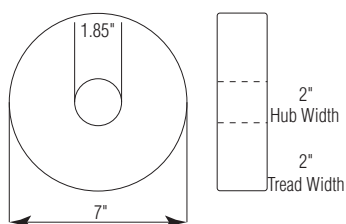
Poly. 70D W/Bearings
WH-674-A



Poly. 70D W/Bearings
WH-678-A

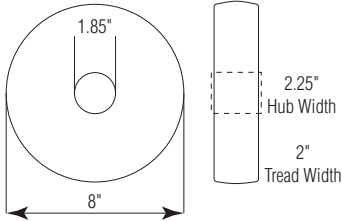


Poly. 70D W/Bearings
WH-680-A

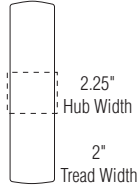


Poly. 70D W/Bearings
WH-682-A





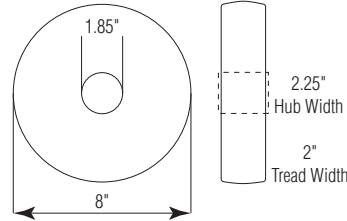
Poly. 70D W/Bearings
WH-684-A



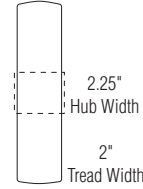
Nylon 70D W/Bearings
WH-684-N-A



Steel W/Bearings
WH-684-STEEL-A



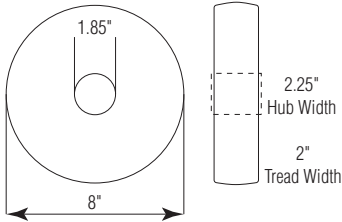
Poly. 70D W/Bearings
WH-686-A



Nylon 70D W/Bearings
WH-686-N-A



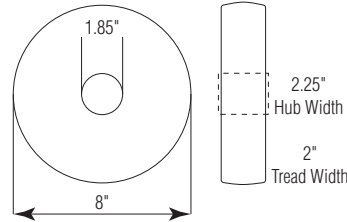
Steel W/Bearings
WH-686-STEEL-A



Poly. 70D W/Bearings
WH-688-A



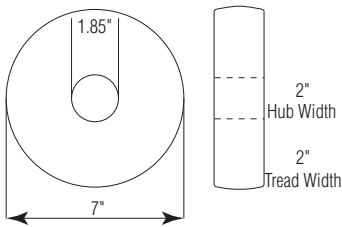
Steel W/Bearings
WH-688-STEEL-A



Poly. 70D W/Bearings
WH-690-A



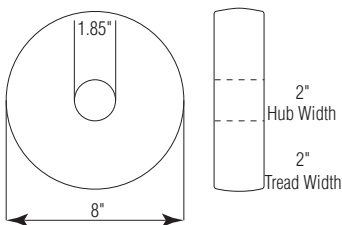
Nylon 70D W/Bearings
WH-690-N-A



Poly. 70D W/Bearings
WH-692-A



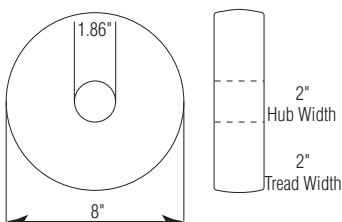
Poly. 70D W/Bearings
WH-694-A



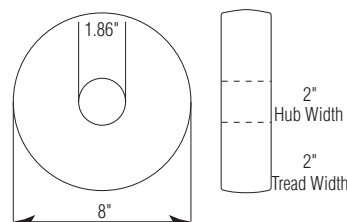
Poly. 70D W/Bearings
WH-696-A



Poly. 70D W/Bearings
WH-698-A



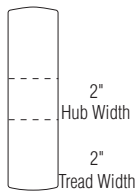
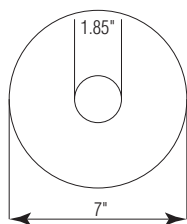
Steel W/Bearings
WH-700-STEEL-A



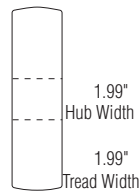
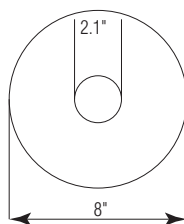
Poly. 70D W/Bearings
WH-702-A

STEER & LOAD WHEELS

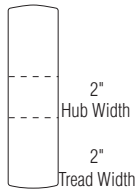
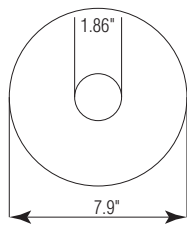
486



Poly. 70D W/Bearings
WH-704-A

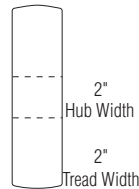
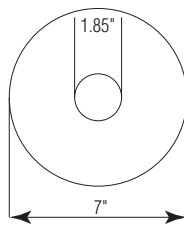


Poly. 70D W/Bearings
WH-706-A

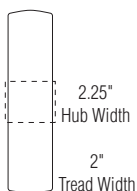
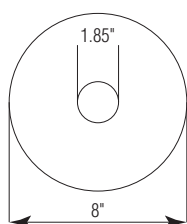


Poly. 70D W/Bearings
WH-708-A

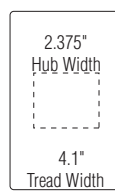
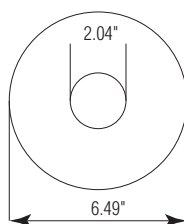
Nylon 70D W/Bearings
WH-708-N-A



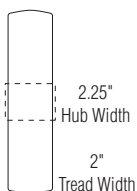
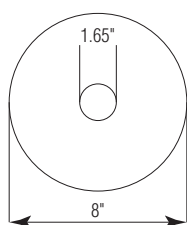
Poly. 70D W/Bearings
WH-710-A



Poly. 70D W/Bearings
WH-712-A



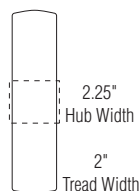
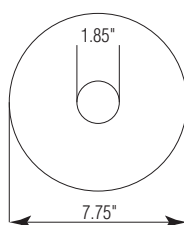
Poly. 70D W/Bearings
WH-714-A



Poly. 70D W/Bearings
WH-716-A

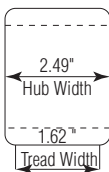
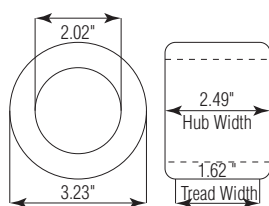
Nylon 70D W/Bearings
WH-716-N-A

Steel W/Bearings
WH-716-STEEL-A



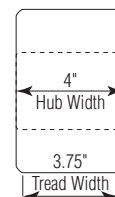
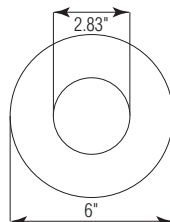
Poly. 70D W/Bearings
WH-718-A

Steel W/Bearings
WH-718-STEEL-A



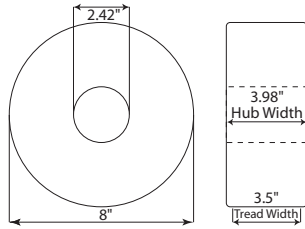
95A
WH-720-95D

95A W/Bearings
WH-720-A-95D



95A
WH-722-95D

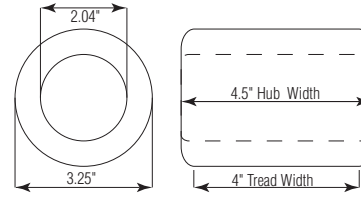
95A W/Bearings
WH-722-A-95D



95A
WH-724-95D



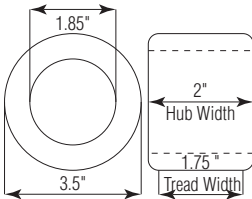
95A W/Bearings
WH-724-A-95D



95A
WH-726-95D



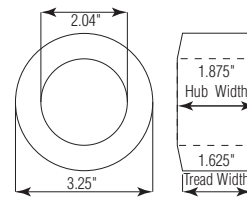
95A W/Bearings
WH-726-A-95D



95A
WH-728-95D



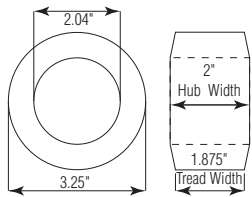
95A W/Bearings
WH-728-A-95D



95A
WH-730-95D



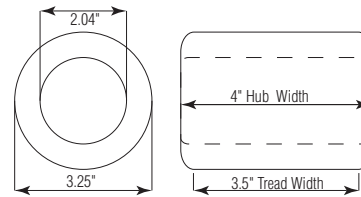
95A W/Bearings
WH-730-A-95D



95A
WH-732-95D



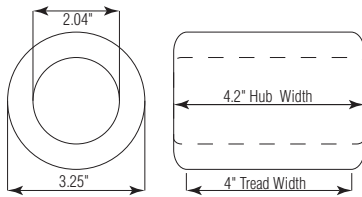
95A W/Bearings
WH-732-A-95D



95A
WH-734-95D



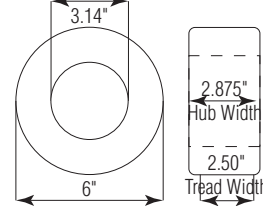
95A W/Bearings
WH-734-A-95D



95A
WH-736-95D



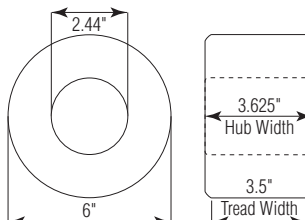
95A W/Bearings
WH-736-A-95D



95A
WH-738-95D



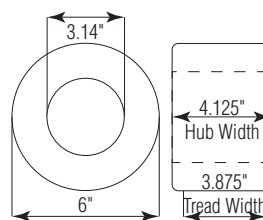
95A W/Bearings
WH-738-A-95D



95A
WH-740-95D



95A W/Bearings
WH-740-A-95D



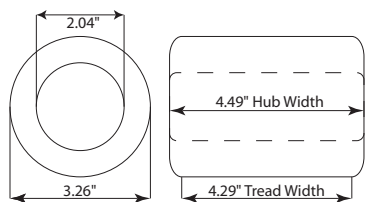
95A
WH-742-95D



95A W/Bearings
WH-742-A-95D

STEER & LOAD WHEELS

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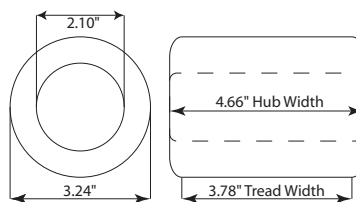
95A

WH-744-95D



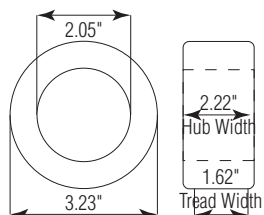
95A W/Bearings

WH-744-A-95D



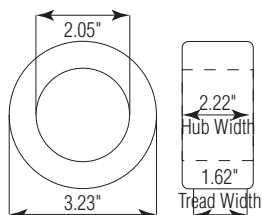
95A

WH-744-A-SG-95D



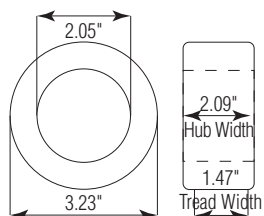
95A

WH-746-KIT



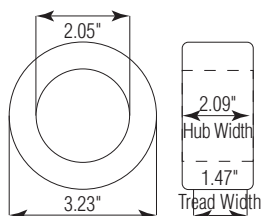
95A

WH-746-AXLE-KIT



95A

WH-748-KIT



95A

WH-748-AXLE-KIT



Hardness (SHORE A): 92-94
Density (G/CM³): 1.3

Tensile strength (MPa): 8-25
Elongation ratio(%): 300

Tear strength (KN/M): 60
Durability (MM³): 38

Heat capacity 60-65

Part#	Wheel Diameter		Tread Width		Hub Width		Bearing Diameter		Bearing Series Number
	IN	MM	IN	MM	IN	MM	IN	MM	
WH-404	3.25	83	4.2	107	4.5	114	2.44	62	6206
WH-408	3.25	83	4	101	4.5	114	1.574	40	6203
WH-408-95D	3.25	83	4	101	4.5	114	1.574	40	6203
WH-408-A-95D	3.25	83	4	101	4.5	114	1.574	40	6203
WH-412	6	152	2.18	55	2.5	64	2.328	59	(2.328)Cup LM67010 Cone LM67048 (1.967) Cup 7196 Cone 7100
WH-422	3.25	83	5.5	139	5.875	149	2.047	52	6205
WH-424	3.25	83	5.70	145	6	152	1.98	50	Cup-L44610 Cone LM44643
WH-424-95D	3.25	83	5.70	145	6	152	1.98	50	Cup-L44610 Cone LM44643
WH-424-A-95D	3.25	83	5.70	145	6	152	1.98	50	Cup-L44610 Cone LM44643
WH-426	2.75	70	3.56	90	3.75	95	1.625	41	6004
WH-428	8	203	2	51	2.375	60	2.047	52	6205
WH-430	3.25	83	5.58	141	6	152	2.047	52	5205 / 6205
WH-432	3.25	83	5.90	150	6.25	159	2.047	52	5205
WH-432-95D	3.25	83	5.90	150	6.25	159	2.047	52	5205
WH-432-A-95D	3.25	83	5.90	150	6.25	159	2.047	52	5205
WH-434	3.36	85.27	2.75	69.96	2.94	74.90	1.65	41.91	22053 / 6004
WH-436	3.14	86.62	5.37	136.50	5.75	146.27	2.03	51.66	6205
WH-438	3.375	95	2.4	61	2.625	67	2.047	52	6205
WH-440	4	102	1.94	49	2.5	64	2.047	52	6205
WH-442	3.38	86.05	2.46	62.76	2.62	66.6	1.97	50.15	Cup L44610 Cone LM44643
WH-444	4	102	2.36	60	2.625	67	2.44	62	8605
WH-446	4	102	2	51	2.5	64	1.938	49	6005
WH-446-95D	4	102	2	51	2.5	64	1.938	49	6005
WH-446-A-95D	4	102	2	51	2.5	64	1.938	49	6005
WH-448	3.25	83	2.95	75	3.25	83	2.047	52	6205
WH-450	3.25	83	6.25	158	6.5	165	2.047	52	6205
WH-450-95D	3.25	83	6.25	158	6.5	165	2.047	52	6205
WH-450-A-95D	3.25	83	6.25	158	6.5	165	2.047	52	6205
WH-452	3.25	83	3.45	87	3.75	95	1.85	47	6204
WH-454	8	203	1.75	44	2.25	57	1.85	47	6204
WH-456	3.25	83	3.4	86	4.25	108	2.047	52	6205
WH-456-95D	3.25	83	3.4	86	4.25	108	2.047	52	6205
WH-456-A-95D	3.25	83	3.4	86	4.25	108	2.047	52	6205
WH-458	3.24	82.33	4.80	121.83	5.75	146.15	2.03	51.84	6205
WH-460	3.25	83	2.32	59	3.25	83	2.047	52	6205 / 87505
WH-462	6	152	2.58	66	3.25	83	2.047	52	6205 / 87505
WH-464	8	203	2.17	55	2.5	64	2.047	52	6205
WH-466	3	76	3.45	87	3.875	98	1.85	47	6204
WH-468	8	203	2	51	2	53	1.85	47	6204
WH-470	3.25	83	5.54	141	6	152	2.047	52	6205
WH-470-A-95D	3.25	83	5.54	141	6	152	2.047	52	6205
WH-472	3.25	83	4.58	116	5	127	2.047	52	6205 / 87505
WH-472-95D	3.25	83	4.58	116	5	127	2.047	52	6205 / 87505
WH-472-A-95D	3.25	83	4.58	116	5	127	2.047	52	6205 / 87505
WH-474	5	127	3.2	81	3.5	89	2.44	62	Cup 15245 Cone 15123
WH-476	6	152	3.5	89	4	102	2.875	73	Cup 25821 Cone 25877
WH-478	4	102	2.4	61	2.875	73	2.047	52	6205 / 6304
WH-478-95D	4	102	2.4	61	2.875	73	2.047	52	6205 / 6304
WH-480	5	127	2.5	63	2.875	73	2.047	52	6205 / 87505
WH-482	5	127	3.34	85	3.625	92	2.44	62	6305
WH-482-95D	5	127	3.34	85	3.625	92	2.44	62	6305
WH-482-A-95D	5	127	3.34	85	3.625	92	2.44	62	6305

STEER & LOAD WHEELS

490

Hardness (SHORE A): 92-94
Density (G/CM³): 1.3

Tensile strength (MPA): 8-25
Elongation ratio(%): 300

Tear strength (KN/M): 60
Durability (MM³): 38

Heat capacity 60-65

Part#	Wheel Diameter		Tread Width		Hub Width		Bearing Diameter		Bearing Series Number
	IN	MM	IN	MM	IN	MM	IN	MM	
WH-484	3.25	83	5.5	139	5.91	150	2.047	52	6205
WH-484-95D	3.25	83	5.5	139	5.91	150	2.047	52	6205
WH-484-A-95DB	3.25	83	5.5	139	5.91	150	2.047	52	6205
WH-486	3.375	95	2.4	61	2.75	70	2.047	52	6205
WH-488	4	102	2.54	64	2.75	70	2.44	62	6206
WH-490	5	127	3.70	94	4	102	2.44	62	6206
WH-492	3.25	83	2.44	62	2.75	70	2.047	52	6205
WH-494	3.25	83	6	1.53	6.5	165	1.98	50	Cup L44610 Cone LM44643
WH-494-A-95D	3.25	83	6	1.53	6.5	165	1.98	50	Cup L44610 Cone LM44643
WH-496	3.375	95	5.57	142	5.75	146	2.44	62	6305
WH-498	5	127	2.58	66	2.875	73	2.44	62	Cup 15245 Cone 15123 / 6206 8605 / 87506
WH-500	5	127	4.125	105	4.125	105	3.149	80	6307
WH-502	4	102	2	51	2	51	2.047	52	6205
WH-504	5	127	2	51	2	51	1.187	30	HP9330NAH
WH-506	3.25	83	4.5	114	4.5	114	2.44	62	6206
WH-506-95D	3.25	83	4.5	114	4.5	114	2.44	62	6206
WH-506-A-95D	3.25	83	4.5	114	4.5	114	2.44	62	6206
WH-508	4	102	2.25	57	2.5	64	2.047	52	6205
WH-508-A-95D	4	102	2.25	57	2.5	64	2.047	52	6205
WH-512	6	152	2.5	64	2.75	70	3.149	80	6307
WH-514	5	127	2.75	70	2.875	73	3.149	80	6307
WH-516	5	127	2.875	73	INSET	INSET	2.44	62	6305
WH-518	5	127	4.125	105	4.125	105	2.44	62	6305 / 6307
WH-520	3.25	83	5.75	146	5.75	146	2.047	52	6205
WH-522	3.25	83	2.875	73	3.25	83	2.047	52	6205
WH-522-95D	3.25	83	2.875	73	3.25	83	2.047	52	6205
WH-522-A-95D	3.25	83	2.875	73	3.25	83	2.047	52	6205
WH-524	4	102	2.75	70	2.875	73	2.047	52	6205
WH-526	5	127	3.875	98	3.875	98	2.047	52	6205
WH-528	3.27	83	6.07	154	6.50	165	2.04	51	6205
WH-528-95D	3.27	83	6.07	154	6.50	165	2.04	51	6205
WH-528-A-95D	3.27	83	6.07	154	6.50	165	2.04	51	6205
WH-530	8	205	3.28	83	3.75	95	3.12	79	6307
WH-532	6.02	153	3.79	96	4.26	108	3.14	80	6307
WH-534	3.25	83	5.92	151	6.5	165	2.04	52	6205
WH-536	4.05	102.78	3.67	93.25	4.13	104.90	2.03	51.71	6205
WH-538	3.25	83	4	102	4.54	115	2.16	55	6006
WH-540	3.26	83	4.39	112	5	127	2	52	8505
WH-542-95D	2.86	72.64	3.30	83.82	3.50	88.9	1.85	47	6204
WH-542-A-95D	2.86	72.64	3.30	83.82	3.50	88.9	1.85	47	6204
WH-544-95D	3.25	82.55	2.45	62.23	2.87	72.90	2.04	51.81	6205
WH-544-A-95D	3.25	82.55	2.45	62.23	2.87	72.90	2.04	51.81	6205
WH-546-95B	3.24	82.29	4.18	106.17	4.48	113.92	2.16	54.86	6006
WH-546-A-95D	3.24	82.29	4.18	106.17	4.48	113.92	2.16	54.86	6006
WH-548-95D	3.22	81.78	6.00	152.4	6.37	161.79	2.04	51.81	5205
WH-548-A-95D	3.22	81.78	6.00	152.4	6.37	161.79	2.04	51.81	5205
WH-550-A-95D	4.06	103.12	1.64	41.65	1.95	49.53	1.85	47	6204
WH-552-A-95D	3.93	99.75	1.64	41.86	2.05	52.08	1.17	29.95	Needle
WH-554-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-554-N-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-556-A	3.00	76.2	3.75	95.25	3.75	95.25	2.04	52	6205
WH-556-N-A	3.00	76.2	3.75	95.25	3.75	95.25	2.04	52	6205

Hardness (SHORE A): 92-94
Density (G/CM³): 1.3

Tensile strength (MPa): 8-25
Elongation ratio(%): 300

Tear strength (KN/M): 60
Durability (MM³): 38

Heat capacity 60-65

Part#	Wheel Diameter		Tread Width		Hub Width		Bearing Diameter		Bearing Series Number
	IN	MM	IN	MM	IN	MM	IN	MM	
WH-558-A	2.00	50.8	2.75	69.85	3.00	76.20	1.575	40	6203
WH-558-STEEL-A	2.00	50.8	2.75	69.85	3.00	76.20	1.575	40	6203
WH-560-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6203
WH-560-N-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-560-STEEL-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-562-STEEL-A	3.23	82	3.58	90.93	3.86	90	1.85	47	6204
WH-564-A	3.00	76.2	3.75	95.25	3.75	95.25	1.575	40	99R12
WH-564-N-A	3.00	76.2	3.75	95.25	3.75	95.25	1.575	40	6204
WH-566-A	2.75	69.85	3.75	95.25	3.75	95.25	1.85	47	6204
WH-568-N-A	3.00	76.2	3.75	95.25	3.75	95.25	1.85	47	6303
WH-570-A	3.25	82.50	3.625	92	3.625	92	1.85	47	6303
WH-570-N-A	3.25	82.50	3.625	92	3.625	92	1.85	47	6303
WH-572-A	3.25	82.50	3.625	92	3.625	92	1.85	47	6204
WH-572-N-A	3.25	82.50	3.625	92	3.625	92	1.85	47	6204
WH-572-STEEL-A	3.25	82.50	3.625	92	3.625	92	1.85	47	6204
WH-574-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6303
WH-574-WA-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-576-A	3.00	76.2	2.50	63.5	2.75	69.85	1.85	47	6303
WH-578-A	3.00	76.2	3.25	82.50	3.50	89	1.85	47	6204
WH-578-N-A	3.00	76.2	3.25	82.50	3.50	89	1.85	47	6204
WH-578-STEEL-A	3.00	76.2	3.25	82.50	3.50	89	1.85	47	6204
WH-580-A	2.75	69.85	3.75	95.25	3.75	95.25	1.85	47	6204
WH-582-A	3.25	82.50	3.75	95.25	3.875	98.45	1.85	47	6204
WH-582-STEEL-A	3.25	82.50	3.75	95.25	3.875	98.45	1.85	47	6204
WH-584-A	3.25	82.50	2.50	63.50	2.75	69.85	1.85	47	6204
WH-586-A	3.25	82.50	3.51	89.15	4.12	104.64	1.85	47	6204
WH-588-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-588-N-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-588-STEEL-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-590-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-590-N-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-592-STEEL-A	3.25	82.50	3.50	89	3.625	92	1.85	47	6303
WH-594-STEEL-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6303
WH-596-A	3.00	76.2	3.125	79.40	3.375	85.75	1.85	47	6204
WH-600-A	3.00	76.2	2.50	63.5	2.75	69.85	1.85	47	6204
WH-602-A	3.25	82.50	3.75	95.25	3.875	98.45	1.85	47	6204
WH-602-N-A	3.25	82.50	3.75	95.25	3.875	98.45	1.85	47	6204
WH-602-STEEL-A	3.25	82.50	3.75	95.25	3.875	98.45	1.85	47	6204
WH-604-N-A	3.00	76.2	3.75	95.25	3.75	95.25	1.85	47	6204
WH-606-N-A	3.25	82.50	3.75	95.25	3.875	98.45	1.85	47	6204
WH-608-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-612-STEEL-A	3.00	76.2	3.75	95.25	4.00	101.6	1.85	47	6204
WH-614-A	3.00	76.2	3.75	95.25	3.75	95.25	1.85	47	6204
WH-614-N-A	3.00	76.2	3.75	95.25	3.75	95.25	1.85	47	6204
WH-616-STEEL-A	1.750	44.50	3.00	76.20	3.00	76.20	1.575	40	6203
WH-618-A	3.25	82.50	3.75	95.25	3.875	98.45	1.85	47	6204
WH-618-N-A	3.25	82.50	3.75	95.25	3.875	98.45	1.85	47	6204
WH-620-N-A	3.00	76.2	3.25	82.50	3.50	89	1.85	47	6204
WH-622-A	2.75	69.85	3.75	95.25	3.75	95.25	1.85	47	6204
WH-624-A	3.00	76.2	3.875	98.45	3.875	98.45	1.675	42	Flanged
WH-624-N-A	3.00	76.2	3.875	98.45	3.875	98.45	1.675	42	6204
WH-624-STEEL-A	3.00	76.2	3.875	98.45	3.875	98.45	1.675	42	6204
WH-626-A	3.25	82.50	3.875	98.45	3.875	98.45	1.675	42	Flanged

STEER & LOAD WHEELS

492

Hardness (SHORE A): 92-94
Density (G/CM³): 1.3

Tensile strength (MPa): 8-25
Elongation ratio(%): 300

Tear strength (KN/M): 60
Durability (MM³): 38

Heat capacity 60-65

Part#	Wheel Diameter		Tread Width		Hub Width		Bearing Diameter		Bearing Series Number
	IN	MM	IN	MM	IN	MM	IN	MM	
WH-626-N-A	3.25	82.50	3.875	98.45	3.875	98.45	1.675	42	6204
WH-626-STEEL-A	3.25	82.50	3.875	98.45	3.875	98.45	1.675	42	6204
WH-628-STEEL-A	3.00	76.2	3.50	89	3.75	95.25	1.85	47	6204
WH-630-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-632-A	8.00	203.25	2.00	50.8	2.25	57	2.00	50.8	Flanged
WH-632-N-A	8.00	203.25	2.00	50.8	2.25	57	2.00	50.8	Flanged
WH-634-A	6.75	171.50	2.00	50.8	2.00	50.8	1.85	47	6204
WH-636-STEEL-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-638-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-640-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-640-STEEL-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-642-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-642-N-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-642-STEEL-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-644-STEEL-A	7.00	177.80	2.00	50.8	2.25	57	1.85	47	6204
WH-646-N-A	8.00	203.25	1.875	48	2.25	57	1.375	35	Flanged
WH-646-STEEL-A	8.00	203.25	2.00	50.8	2.25	57	1.375	35	Flanged
WH-648-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-650-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204/6005
WH-650-STEEL-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204/6005
WH-652-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-654-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204/6005
WH-654-N-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204/6005
WH-656-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204/6005
WH-658-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-658-N-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-658-STEEL-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-660-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-660-N-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-662-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-662-N-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6005
WH-664-N-A	8.00	203.25	2.00	50.8	2.25	57	2.04	52	6205
WH-666-A	8.00	203.25	2.00	50.8	2.25	57	2.125	54	6006
WH-668-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-668-N-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-668-STEEL-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-670-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-670-N-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-670-STEEL-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-672-N-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-674-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-678-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204/6005
WH-680-A	8.00	203.2	2.00	50.8	2.00	50.8	1.85	47	6204
WH-682-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-684-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-684-N-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-684-STEEL-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-686-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-686-N-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-686-STEEL-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-688-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-688-STEEL-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-690-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204

Hardness (SHORE A): 92-94
Density (G/CM₃): 1.3

Tensile strength (MPa): 8-25
Elongation ratio(%): 300

Tear strength (KN/M): 60
Durability (MM₃): 38

Heat capacity 60-65

Part#	Wheel Diameter		Tread Width		Hub Width		Bearing Diameter		Bearing Series Number
	IN	MM	IN	MM	IN	MM	IN	MM	
WH-690-N-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6204
WH-692-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-694-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-696-A	8.00	203.25	2.00	50.8	2.00	50.8	1.85	47	6204
WH-698-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-700-A	8.00	203.25	2.00	50.8	2.00	50.8	1.86	47.24	6204
WH-702-A	8.00	203.25	2.00	50.8	2.00	50.8	1.86	47.24	T-22
WH-704-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204
WH-706-A	8.00	203.25	1.99	50.54	1.99	50.54	2.10	53.34	Flanged
WH-708-A	7.90	200.66	2.00	50.8	2.00	50.8	1.86	47.24	6204
WH-710-A	7.00	177.80	2.00	50.8	2.00	50.8	1.85	47	6204/6005
WH-712-A	8.00	203.25	2.00	50.8	2.25	57	1.85	47	6005
WH-714-A	6.49	164.78	4.1	104.92	2.375	69.85	2.00	51.91	6205/6304
WH-716-A	8.00	203.25	2.00	50.8	2.25	57	1.65	42	Flanged
WH-716-N-A	8.00	203.25	2.00	50.8	2.25	57	1.65	42	6204
WH-716-STEEL-A	8.00	203.25	2.00	50.8	2.25	57	1.65	42	6204
WH-718-A	7.75	196.85	2.00	50.8	2.25	57	1.85	47	6204
WH-718-STEEL-A	7.75	196.85	2.00	50.8	2.25	57	1.85	47	6204
WH-720-95D	3.23	82	1.62	41.37	2.49	63.27	2.02	51.31	6205
WH-720-A-95D	3.23	82	1.62	41.37	2.49	63.27	2.02	51.31	6205
WH-722-95D	6	152	3.75	95	4	101	2.83	72	6207
WH-722-A-95D	6	152	3.75	95	4	101	2.83	72	6207
WH-724-95D	8.00	203.25	3.50	88.9	3.98	101.09	2.42	61.47	6206
WH-724-A-95D	8.00	203.25	3.50	88.9	3.98	101.09	2.42	61.47	6206
WH-726-95D	3.25	82.50	4.00	101	4.50	114	2.04	52	6205
WH-726-A-95D	3.25	82.50	4.00	101	4.50	114	2.04	52	6205
WH-728-95D	3.50	89	1.75	45	2	51	1.85	47	6204
WH-728-A-95D	3.50	89	1.75	45	2	51	1.85	47	6204
WH-730-95D	3.25	82.5	1.625	42	1.875	47.5	2.047	52	6205
WH-730-A-95D	3.25	82.5	1.625	42	1.875	47.5	2.047	52	6205
WH-732-95D	3.25	82.5	1.875	47.5	2	50	2.047	52	6205
WH-732-A-95D	3.25	82.5	1.875	47.5	2	50	2.047	52	6205
WH-734-95D	3.25	82.5	3.50	95	4	101	2.047	52	6205
WH-734-A-95D	3.25	82.5	3.50	95	4	101	2.047	52	6205
WH-736-95D	3.25	82.5	4	101	4.20	107	2.047	52	6205
WH-736-A-95D	3.25	82.5	4	101	4.20	107	2.047	52	6205
WH-738-95D	6	152	2.5	64	2.875	73	3.14	80	6307
WH-738-A-95D	6	152	2.5	64	2.875	73	3.14	80	6307
WH-740-95D	6	152	3.5	89	3.625	92	2.44	62	6305
WH-740-A-95D	6	152	3.5	89	3.625	92	2.44	62	6305
WH-742-95D	6	152	3.875	98	4.125	105	3.14	80	6307
WH-742-A-95D	6	152	3.875	98	4.125	105	3.14	80	6307
WH-744-95D	3.26	82.80	4.29	108.97	4.49	114.05	2.04	51.82	6205
WH-744-A-95D	3.26	82.80	4.29	108.97	4.49	114.05	2.04	51.82	6205
WH-744-A-SG-95D	3.24	82.30	3.78	96.01	4.66	118.36	2.10	53.34	6205
WH-746-AXLE-KIT	3.23	82	1.62	41.15	2.22	53.39	2.05	52.07	8505
WH-746-KIT	3.23	82	1.62	41.15	2.22	53.39	2.05	52.07	8505
WH-748-AXLE-KIT	3.23	82	1.47	37.34	2.09	53.09	2.05	52.07	6205
WH-748-KIT	3.23	82	1.47	37.34	2.09	53.09	2.05	52.07	6205

STEER & LOAD WHEELS CROSS REFERENCE

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OEM	HELMAR	OEM	HELMAR	OEM	HELMAR	OEM	HELMAR
00590-00506-71	WH-732-95D	057247000	WH-498	083587-010	WH-500	10210P-A-D	WH-466
00590-00509-71	WH-732-95D	061-053-310	WH-478	083587-030	WH-500	10236	WH-632-A
00590-00511-71	WH-732-95D	061-053-390	WH-480	083587-10	WH-500	10236-B-A-S-T	WH-642-A
00590-00513-71	WH-732-95D	0652696-00	WH-408	083879	WH-452	10236-BS	WH-642-STEEL-A
00590-00781-71	WH-732-95D	0652696-01	WH-408	083970	WH-506	10236-R-A-HD	WH-632-A
00590-00894-71	WH-732-95D	065269600	WH-408	083970-050	WH-506	10236-R-A-ST	WH-632-A
00590-00897-71	WH-732-95D	065269601	WH-408	083970-50	WH-506	10236B	WH-468
00590-00899-71	WH-732-95D	071894	WH-552-A-95D	090153007	WH-556-N-A	10236RN	WH-632-N-A
00590-00901-71	WH-732-95D	072280	WH-452	090153008	WH-556-A	102607	WH-484
00590-04775-71	WH-440	07280	WH-452	090186000	WH-634-A	102665	WH-672-N-A
00590-04780-71	WH-440	073324	WH-504	090193003	WH-556-A	102665-A-ST	WH-660-A
00590-43383-71	WH-726-95D	073602	WH-504	093656	WH-472	102667	WH-644-STEEL-A
00591-04739-81	WH-522	074657	WH-514	09559048	WH-714-A	102667-A	WH-644-STEEL-A
00591-04838-81	WH-502	077084	WH-522	09559049	WH-600-A	10289069	WH-484
00591-04842-81	WH-512	077084-00	WH-522	0971760	WH-522	1029089	WH-484
00591-04848-81	WH-452	077084-001	WH-522	0971761	WH-508	1029601	WH-430
00591-04848-91	WH-452	077084-002	WH-522	0971768	WH-514	1029602	WH-484
00591-04872-81	WH-508	077084-003	WH-522	0971867	WH-732-95D	1029607	WH-484
00591-04885-81	WH-524	077084-010	WH-522	0971958	WH-722-95D	103-160	WH-562-STEEL-A
00591-04886-81	WH-514	077084-020	WH-522	0972012	WH-502	103-297	WH-564-A
00591-04887-81	WH-500	077084-030	WH-522	0972016	WH-502	103-297-A	WH-564-A
00591-04913-81	WH-506	077084-040	WH-522	0972021	WH-514	103-297-A-D	WH-564-A
00591-10302-71	WH-722-95D	077084-1	WH-522	100.210-1	WH-636-STEEL-A	103-297-N-A	WH-564-A
00591-10318-71	WH-504	077084-10	WH-522	100/210	WH-636-STEEL-A	103219	WH-478
00591-10334-81	WH-450-95D	077084-2	WH-522	100/210-A	WH-640-A	1032195	WH-478
00591-25666-81	WH-526	077084-20	WH-522	100462	WH-450	1033557	WH-462
00591-25696-81	WH-734-95D	077084-3	WH-522	100462-001	WH-450	1049809	WH-478
00591-25788-81	WH-520	077084-40	WH-522	100462-010	WH-450	1050132	WH-480
00591-25839-81	WH-732-95D	077086	WH-472	100462-020	WH-450	1050137	WH-482
00591-25900-81	WH-730-95D	078272	WH-734-95D	100462-025	WH-450	1050236	WH-484
00591-26006-81	WH-494	081645	WH-502	100462-030	WH-450	1050237	WH-482
00591-26079-81	WH-516	081645-020	WH-502	100462-035	WH-450	105032-20	WH-516
00591-30917-81	WH-494	081645-20	WH-502	100462-10	WH-450	1055548	WH-482
00591-31856-71	WH-452	082021	WH-512	100462-302	WH-450-95D	1055551	WH-478
00591-31856-81	WH-452	082021-010	WH-512	100462-EX3	WH-450	1055553	WH-480
00591-31857-81	WH-522	082021-030	WH-512	100462-KIT	WH-746-KIT	107-238	WH-646-STEEL-A
00591-31861-81	WH-508	082021-10	WH-512	100462-KIT-AA	WH-746-AXLE-KIT	107-238-A	WH-646-STEEL-A
00591-31862-81	WH-502	082021-30	WH-512	1009234	WH-484	1075061	WH-472
00591-31865-81	WH-514	082284	WH-452	101	WH-638-A	1075062	WH-472
00591-31874-81	WH-508	082286	WH-452	101-210	WH-640-A	1075063	WH-472
00591-40718-81	WH-732-95D	082740	WH-522	101-210-1	WH-638-A	1075064	WH-472
00591-40735-81	WH-722-95D	083179	WH-508	101/210	WH-640-A	108-943	WH-470
00591-43115-81	WH-570-A	083179-010	WH-508	101/210-1	WH-638-A	108-973-99	WH-470
00591-44881-71	WH-516	083179-040	WH-508	101/210-A	WH-640-A	111-078	WH-646-N-A
00591-44882-81	WH-518	083179-050	WH-508	101/215-ALT	WH-632-A	111-078-N-A	WH-646-N-A
00591-52032-81	WH-522	083179-10	WH-508	10100	WH-570-A	1128	WH-648-A
00591-52050-81	WH-502	083179-50	WH-508	102	WH-450	1128-HD	WH-648-A
00591-52053-81	WH-508	083585	WH-524	102-A	WH-450	115032	WH-516
00591-52062-81	WH-514	083585-010	WH-524	10210	WH-560-A	115032-010	WH-516
00591-52079-81	WH-722-95D	083585-030	WH-524	10210-M-P-A	WH-558-A	115032-020	WH-516
00591-53390-81	WH-570-A	083585-10	WH-524	10210-M-S-A	WH-558-STEEL-A	115032-10	WH-516
00591-57797-81	WH-732-95D	083585-30	WH-524	10210-MPA	WH-558-A	115032-20	WH-516
00591-57873-81	WH-730-95D	083586	WH-514	10210-MSA	WH-558-STEEL-A	115033	WH-518
00591-73868-81	WH-588-A	083586-030	WH-514	10210-N	WH-560-N-A	115033-010	WH-518
04522-04620	WH-508	083586-30	WH-514	10210-N-A	WH-560-N-A	115033-020	WH-518
0572470-00	WH-498	083587	WH-500	10210P	WH-466	115033-030	WH-518

STEER & LOAD WHEELS CROSS REFERENCE

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OEM	HELMAR	OEM	HELMAR	OEM	HELMAR	OEM	HELMAR
115033-035	WH-518	120X105-A	WH-692-A	140.5233	WH-572-N-A	1500155-29	WH-504
115033-20	WH-518	120X105-A-ST	WH-640-A	140.5233-A	WH-572-N-A	1500155-30	WH-478
115033-30	WH-518	120X205	WH-578-A	140.5234	WH-572-A	1500155-37	WH-512
115033-35	WH-518	120X205-A	WH-578-A	140.5234-A	WH-572-A	1500155-46	WH-452
1151016	WH-462	120X205-A-D	WH-578-A	140.5235	WH-572-STEEL-A	1500155-47	WH-522
1152781	WH-732-95D	12103320	WH-566-A	140.5235-A	WH-572-STEEL-A	1500155-50	WH-450
115311	WH-498	12103320-A-C	WH-566-A	140.6149	WH-658-N-A	1500155-52	WH-452
1154009	WH-732-95D	12103320-N-A	WH-566-N-A	141541	WH-670-A	1500155-53	WH-506
1154011	WH-732-95D	1213591-00	WH-486	141566	WH-622-A	1500155-55	WH-450
1154013	WH-746-KIT	1213591-01	WH-486	1457073	WH-508	1500155-57	WH-508
1179201	WH-746-KIT	1213591-02	WH-486	146158	WH-548-95D	1500155-59	WH-524
1179209	WH-544-95D	1213591-03	WH-486	146735	WH-508	1500155-62	WH-500
1179210	WH-478	1213591-04	WH-486	147-A	WH-716-A	1500155-63	WH-514
1179213	WH-480	121359100	WH-486	148	WH-630-A	1500155-68	WH-452
1195247	WH-462	121359101	WH-486	148-A	WH-630-A	1500155-89	WH-474
1195954	WH-472	121359102	WH-486	148-A-HD	WH-630-A	150015504	WH-442
1195955	WH-472	121359103	WH-486	149-A	WH-716-A	150015505	WH-478
1196008	WH-478	121359104	WH-486	15-201	WH-488	150015529	WH-504
1196530	WH-478	1227	WH-588-A	150.0000	WH-658-STEEL-A	150015530	WH-478
1196604	WH-480	12356	WH-654-N-A	1500153-02	WH-430	150015537	WH-512
1196605	WH-472	12358-1	WH-656-A	1500153-18	WH-424	150015546	WH-452
1196908	WH-732-95D	12358-2	WH-654-A	1500153-41	WH-442	150015547	WH-522
1197013	WH-498	123603	WH-546-95D	1500153-43	WH-446	150015550	WH-450
1201281	WH-544-95D	123603-010	WH-546-95D	1500153-54	WH-732-95D	150015552	WH-452
1201764	WH-746-KIT	123603-201	WH-546-95D	1500153-64	WH-472	150015553	WH-506
1201766	WH-478	125069	WH-738-95D	1500153-65	WH-472	150015555	WH-450
1201770	WH-482	125069-010	WH-738-95D	1500153-73	WH-478	150015556	WH-502
1201771	WH-482	125069-030	WH-738-95D	1500153-75	WH-498	150015557	WH-508
1201772	WH-484	125069-10	WH-738-95D	1500153-76	WH-480	150015558	WH-502
1201773	WH-484	125069-30	WH-738-95D	1500153-87	WH-462	150015559	WH-524
1201777	WH-484	125070	WH-742-95D	1500153-98	WH-430	150015562	WH-500
1201779	WH-740-95D	125070-010	WH-742-95D	150015302	WH-430	150015563	WH-514
1202029	WH-544-95D	125070-020	WH-742-95D	150015318	WH-424	150015568	WH-452
1205643-01	WH-488	125070-030	WH-742-95D	150015341	WH-442	150015589	WH-474
1205643-0A	WH-488	125070-10	WH-742-95D	150015343	WH-446	1501100-79	WH-490
120564301	WH-488	125070-101	WH-742-95D	150015354	WH-732-95D	150110079	WH-490
12061323	WH-602-A	125070-107	WH-742-95D	150015364	WH-472	156181	WH-494
12061733	WH-650-A	125070-20	WH-742-95D	150015365	WH-472	15881	WH-574-A
12061733-A1	WH-650-A	125070-30	WH-742-95D	150015373	WH-478	15881-D-WA	WH-574-A
12061733-A1-HD	WH-650-A	126728	WH-568-N-A	150015375	WH-498	15881-WA	WH-574-WA-A
12061733-A1-ST	WH-650-A	12689	WH-570-A	150015376	WH-480	160421	WH-660-N-A
12061733-A2	WH-660-A	12691	WH-570-N-A	150015387	WH-462	160422	WH-660-A
12061733-A2-HD	WH-660-A	126968	WH-660-A	150015398	WH-430	160422-HD	WH-660-A
12061733-A2-ST	WH-660-A	126968-A-HD	WH-660-A	1500154-37	WH-478	160422-ST	WH-660-A
12061733-S	WH-650-STEEL-A	126968-A-ST	WH-660-A	1500154-45	WH-480	160433	WH-644-STEEL-A
12061733-S1	WH-650-STEEL-A	127-A	WH-652-A	1500154-46	WH-482	167600	WH-568-N-A
120E35	WH-578-A	127-A-HD	WH-652-A	1500154-50	WH-412	167601	WH-592-STEEL-A
120E35-A-D	WH-578-N-A	127-A-ST	WH-652-A	1500154-98	WH-422	167602	WH-570-N-A
120E35N	WH-578-N-A	128	WH-682-A	150015437	WH-478	167605	WH-570-A
120E35S	WH-578-STEEL-A	129911	WH-554-A	150015445	WH-480	167605D	WH-570-A
120E8	WH-652-A	129929	WH-570-A	150015446	WH-482	167609	WH-574-A
120E8-A	WH-652-A	130.5179	WH-658-A	150015450	WH-412	167609-D	WH-574-A
120E8-A-HD	WH-652-A	130.5179-A	WH-658-A	150015453	WH-722-95D	167612	WH-576-A
120E8A	WH-652-A	1300306	WH-464	150015498	WH-422	1780716	WH-442
120E8S	WH-644-STEEL-A	139064	WH-548-95D	1500155-04	WH-442	1800156	WH-488
120X105	WH-638-A	139840	WH-548-95D	1500155-05	WH-478	1800336	WH-486

STEER & LOAD WHEELS CROSS REFERENCE

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OEM	HELMAR	OEM	HELMAR	OEM	HELMAR	OEM	HELMAR
1800338	WH-444	213841	WH-498	2200161-68	WH-442	26460-00	WH-476
1800344	WH-478	215819	WH-492	220016168	WH-442	267317	WH-460
1800345	WH-480	215938	WH-454	2200168-37	WH-474	267318	WH-472
1803654	WH-500	216260	WH-460	2200168-44	WH-438	270135	WH-674-A
1803655	WH-514	2200030-51	WH-480	220016837	WH-474	270139	WH-596-A
1803656	WH-512	220003051	WH-480	220016844	WH-438	270262	WH-600-A
1803659	WH-450	2200064-06	WH-498	2200173-82	WH-472	2750167	WH-430
1803792	WH-480	220006406	WH-498	220017382	WH-472	2760613	WH-442
1803794	WH-506	2200077-70	WH-452	2200199-94	WH-482	27626-00	WH-470
1803829	WH-450	220007770	WH-452	220019994	WH-482	27626-01	WH-470
1818982	WH-474	2200079-20	WH-440	2200211-01	WH-448	27626-02	WH-470
1820844	WH-470	220007920	WH-440	220021101	WH-448	27626-03	WH-470
1821946	WH-472	2200083-26	WH-412	2200216-74	WH-464	27626-1	WH-470
200-210	WH-578-STEEL-A	2200083-27	WH-478	220021674	WH-464	2777378	WH-440
200-210-1	WH-578-STEEL-A	220008326	WH-412	2200225-90	WH-478	2777940	WH-438
200-210-1-A	WH-578-STEEL-A	220008327	WH-478	220022590	WH-478	2778678	WH-436
200/210	WH-578-STEEL-A	2200086-11	WH-448	220023583	WH-522	2779408	WH-438
200/210-1	WH-578-STEEL-A	2200086-15	WH-450	220023602	WH-508	27808	WH-508
202-9133	WH-522	2200086-65	WH-404	2200246-10	WH-480	27808-00	WH-508
20210	WH-568-N-A	220008611	WH-448	2200246-12	WH-498	2780830	WH-436
20210D	WH-574-A	220008615	WH-450	220024610	WH-480	2789890	WH-508
20210D-A	WH-574-A	220008665	WH-404	220024612	WH-498	2800769	WH-520
20210P	WH-574-A	220008667	WH-502	2200521-47	WH-452	28700-064	WH-472
20210S	WH-594-STEEL-A	2200127-81	WH-478	220052147	WH-452	28842-647	WH-474
20236	WH-642-A	2200127-83	WH-462	2200522-00	WH-438	212867	WH-484
20236-B	WH-642-A	220012781	WH-478	2200522-01	WH-436	3-91003	WH-586-A
20236-B-A-HD	WH-642-A	220012783	WH-462	220052200	WH-438	3-91003-A-D	WH-586-A
20236-B-A-ST	WH-642-A	2200130-77	WH-470	220052201	WH-436	300-000	WH-564-A
20236S	WH-642-STEEL-A	220013077	WH-470	2200529-88	WH-408	300-000-A	WH-564-A
203-210	WH-578-A	2200133-11	WH-456	220052988	WH-408	300-000-A-D	WH-564-A
203-210-1	WH-578-A	2200133-83	WH-460	2200530-76	WH-484	300-000-N-A	WH-564-A
203-A	WH-578-A	220013311	WH-456	220053076	WH-484	300-027	WH-632-A
203/210	WH-578-A	220013383	WH-460	2200536-27	WH-424	300-027-A-HD	WH-632-A
203/210-1	WH-578-A	2200136-68	WH-454	2200536-29	WH-430	300-027-A-ST	WH-632-A
203/210-1-A	WH-578-STEEL-A	220013668	WH-454	220053627	WH-424	300-027-N-A	WH-632-A
203/210-A	WH-578-A	2200148-85	WH-458	220053629	WH-430	300-027N	WH-632-N-A
203/210-A-D	WH-578-A	2200148-99	WH-460	2200788-64	WH-474	300-030-A	WH-564-A
2039298	WH-528	220014885	WH-458	220078864	WH-474	300-030-A-D	WH-564-A
2039299	WH-528	220014899	WH-460	2200789-51	WH-472	300-034	WH-426
203A	WH-578-A	2200149-00	WH-456	220078951	WH-472	300-034-A	WH-580-A
203M-A	WH-558-A	2200149-02	WH-458	221	WH-588-A	300-040	WH-428
204	WH-578-N-A	220014900	WH-456	221N	WH-588-N-A	300-040-A-HD	WH-428
204-210	WH-578-N-A	220014902	WH-458	226-9152	WH-514	300-040-A-ST	WH-428
204-210-1	WH-578-N-A	2200150-44	WH-450	22842-647	WH-474	300-040-N-A	WH-428
204/210	WH-578-N-A	220015010	WH-484	2302392	WH-408	300-040A	WH-632-A
204/210-1	WH-578-N-A	220015044	WH-450	23041-00	WH-472	300-040N	WH-632-N-A
204274	WH-508	2200154-75	WH-474	2305605	WH-480	300041	WH-572-STEEL-A
2045917	WH-508	220015475	WH-474	2306047	WH-526	300047	WH-664-N-A
2046054	WH-744-95D	2200156-16	WH-478	230711	WH-480	300047-A	WH-664-N-A
2046761	WH-508	2200156-17	WH-480	2309701	WH-480	300061A	WH-578-A
2047714	WH-508	2200156-18	WH-482	2309952	WH-408	300061N	WH-578-N-A
206435	WH-478	220015616	WH-478	2381813	WH-442	30047	WH-434
207444	WH-460	220015617	WH-480	25029	WH-566-A	30049	WH-434
2091428	WH-508	220015618	WH-482	25057	WH-662-A	3005911	WH-408
211349	WH-472	2200157-75	WH-476	253375	WH-462	3005984	WH-480
213348	WH-452	220015775	WH-476	253376	WH-462	3005985	WH-482

STEER & LOAD WHEELS CROSS REFERENCE

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OEM	HELMAR	OEM	HELMAR	OEM	HELMAR	OEM	HELMAR
3005986	WH-412	312636-000	WH-546-95D	44506-2	WH-588-N-A	5049105-05	WH-492
3005987	WH-478	313179-003	WH-508	44506-3	WH-588-STEEL-A	504910501	WH-486
3005990	WH-486	313179-3	WH-508	44507	WH-588-A	504910505	WH-492
3006154	WH-442	3131983	WH-522	44508	WH-588-N-A	5055965-01	WH-494
3006166	WH-488	3132002	WH-508	450	WH-590-A	505596501	WH-494
3007897	WH-422	314273-000	WH-740-95D	450N	WH-590-N-A	5066265-00	WH-526
3008977	WH-480	314332-000	WH-740-95D	4522-04620	WH-440	5066265-01	WH-526
3010825	WH-490	314X438	WH-408	4522-04621	WH-508	506626500	WH-526
3010840	WH-498	314X6	WH-430	452204620	WH-508	506626501	WH-526
3012693	WH-514	325P	WH-582-A	452204621	WH-508	5067885-01	WH-480
3012705	WH-522	325S	WH-582-STEEL-A	47	WH-674-A	5067885-02	WH-480
3012706	WH-522	325TP	WH-584-A	47-2	WH-674-A	5067885-03	WH-480
3012710	WH-450	33009	WH-434	47146	WH-672-N-A	506788501	WH-480
3012931	WH-746-KIT	350562	WH-456	47146-A	WH-672-N-A	506788502	WH-480
3012947	WH-480	350564	WH-458	47164	WH-434	506788503	WH-480
3012970	WH-432	350651	WH-460	474/487	WH-632-A	5067905-01	WH-478
3013010	WH-722-95D	354575	WH-460	474/487-1	WH-632-N-A	506790501	WH-478
3013114	WH-514	354576	WH-456	47961	WH-492	5188228-10	WH-446
3013130	WH-404	354578	WH-458	47974	WH-676-A	518822810	WH-446
3013132	WH-508	365649	WH-480	47980	WH-434	5225720-01	WH-494
3013133	WH-502	367-653	WH-480	4814484	WH-442	522572001	WH-494
3013134	WH-524	375-666	WH-722-95D	4816552	WH-478	5241409-50	WH-528
3013137	WH-500	38-B-A	WH-668-A	4826279	WH-480	5241409-51	WH-528-95D
3013173	WH-478	3846A0	WH-432	485	WH-670-A	524140950	WH-528
3016338	WH-408	3846B2	WH-432	4854131	WH-502	524140951	WH-528-95D
302307-001	WH-470	3849B2	WH-470	4867B	WH-736-95D	5241484-57	WH-508
302623-000	WH-470	389630	WH-464	4876612	WH-442	524148457	WH-508
3027773	WH-746-KIT	393S	WH-578-STEEL-A	4878390	WH-478	5241487-50	WH-744-95D
3029344	WH-446	399153	WH-444	4879331	WH-480	524148750	WH-744-95D
3033148	WH-518	40079	WH-452	49306145	WH-482	536	WH-578-N-A
3039230	WH-518	40080	WH-452	4932096	WH-422	536-A	WH-578-N-A
3051525	WH-494	40088	WH-666-A	4934289	WH-508	537	WH-596-A
3052062	WH-498	40157-000	WH-474	4972095	WH-508	537-A	WH-596-A
3056852	WH-480	40222	WH-474	501433	WH-522	538	WH-578-STEEL-A
307110-001	WH-470	41269	WH-454	5015930-00	WH-488	538-A	WH-578-STEEL-A
310105	WH-446	41275	WH-668-A	501593000	WH-488	55001	WH-592-STEEL-A
310125	WH-746-KIT	41275-1	WH-668-A	5035665-03	WH-496	55002	WH-594-STEEL-A
310125-10	WH-732-95D	41275-1-HD	WH-668-A	503566503	WH-496	55002-A	WH-594-STEEL-A
310125-3	WH-732-95D	41275-1-ST	WH-668-STEEL-A	504146	WH-442	5850849-01	WH-528
310147	WH-470	41275-2	WH-668-N-A	5042465-01	WH-492	585084901	WH-528
310169	WH-722-95D	41275-3	WH-668-STEEL-A	504246501	WH-492	593-0005	WH-450-95D
310169-010	WH-722-95D	41276	WH-668-N-A	5044497-31	WH-480	593-1015	WH-732-95D
310169-035	WH-722-95D	44495-001	WH-670-A	504449731	WH-480	593-1033	WH-522
310169-10	WH-722-95D	44495-001-HD	WH-670-A	5045742-33	WH-456	593-1042	WH-472
310169-35	WH-722-95D	44495-001-ST	WH-670-A	5045742-80	WH-478	593-1068HL	WH-450-95D
310172	WH-740-95D	44495-002	WH-670-N-A	504574233	WH-456	593-1108	WH-502
310172-010	WH-740-95D	44495-003	WH-670-STEEL-A	504574280	WH-478	593-1116	WH-508
310172-035	WH-740-95D	44495-1	WH-670-A	5045752-64	WH-464	593-1150	WH-514
310172-10	WH-740-95D	44496	WH-670-A	5045752-84	WH-464	593-1153	WH-514
310172-35	WH-740-95D	44497	WH-670-N-A	504575264	WH-464	593-1213	WH-722-95D
310186	WH-446	44506	WH-588-A	504575284	WH-464	593-1316	WH-724-95D
310462-001	WH-450	44506-001	WH-588-A	5045762-64	WH-464	593-1318	WH-484
310462-003	WH-450	44506-001-D	WH-588-A	504576264	WH-464	593-1346	WH-744-95D
310462-030	WH-450	44506-002	WH-588-N-A	5046465-01	WH-492	593-2532	WH-730-95D
310462-035	WH-450	44506-003	WH-588-STEEL-A	504646501	WH-492	593-4838B1	WH-740-95D
31077	WH-434	44506-1	WH-588-A	5049105-01	WH-486	593-8592	WH-742-95D

STEER & LOAD WHEELS CROSS REFERENCE

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OEM	HELMAR	OEM	HELMAR	OEM	HELMAR	OEM	HELMAR
593-8593	WH-738-95D	632-030-004	WH-478	632-078-007	WH-724-95D	7003582	WH-502
59853	WH-474	632-030-007	WH-478	632-156	WH-740-95D	704180	WH-730-95D
5X3	WH-480	632-030-008	WH-478	632-156-001	WH-740-95D	708076	WH-548-95D
60	WH-678-A	632-030-101	WH-478	632-156-008	WH-740-95D	708086	WH-548-95D
60101	WH-680-A	632-030-107	WH-478	632-156-020	WH-740-95D	708383	WH-730-95D
60181	WH-578-STEEL-A	632-031	WH-478	632-156-101	WH-740-95D	71894	WH-552-A-95D
60181A	WH-578-A	632-031-007	WH-478	632-157	WH-484	7202203-02	WH-490
60181N	WH-578-N-A	632-043	WH-480	632-157-001	WH-484	7202203-03	WH-498
6046465-01	WH-492	632-043-001	WH-480	632-157-002	WH-484	720220302	WH-490
604646501	WH-492	632-043-002	WH-480	632-157-003	WH-484	720220303	WH-498
6057853-00	WH-486	632-043-003	WH-480	632-157-007	WH-484	7203203-02	WH-498
605785300	WH-486	632-043-004	WH-480	632-157-008	WH-484	7203203-03	WH-498
623-011-011	WH-482	632-043-007	WH-480	632-204	WH-522	720320302	WH-498
627	WH-720-95D	632-043-008	WH-480	632-321	WH-450	720320303	WH-498
630-030	WH-478	632-043-101	WH-480	632-321-003	WH-450-95D	7204650-01	WH-488
630-050	WH-478	632-043-107	WH-480	632-321-007	WH-450-95D	7204650-06	WH-488
631-030	WH-478	632-050	WH-480	632-321-CR1	WH-450-95D	720465001	WH-488
631-031	WH-478	632-050-002	WH-480	632-321-CR7	WH-450-95D	720465006	WH-488
631-031-001	WH-478	632-050-003	WH-480	632-421	WH-440	7206690-01	WH-498
631-031-002	WH-478	632-050-004	WH-480	632-421-CR	WH-508	720669001	WH-498
631-031-003	WH-478	632-050-007	WH-480	632-421-CR7	WH-508	7218020-04	WH-490
631-031-004	WH-478	632-050-008	WH-480	632-421CR7	WH-508	721802004	WH-490
631-031-008	WH-478	632-050-101	WH-480	632-541-CR	WH-500	72280	WH-452
631-031-101	WH-478	632-050-107	WH-480	632-623-CR1	WH-512	7240893-01	WH-490
631-031-107	WH-478	632-052	WH-482	633-069	WH-484	7240893-02	WH-498
631-051	WH-480	632-052-001	WH-482	640-051	WH-478	724089301	WH-490
631-051-001	WH-480	632-052-002	WH-482	640-070	WH-480	724089302	WH-498
631-051-002	WH-480	632-052-003	WH-482	640-070-001	WH-480	7280	WH-452
631-051-003	WH-480	632-052-004	WH-482	640-070-002	WH-480	73324	WH-504
631-051-004	WH-480	632-052-007	WH-482	640-070-003	WH-480	73325	WH-504
631-051-007	WH-480	632-052-008	WH-482	640-070-004	WH-480	73325-A	WH-504
631-051-008	WH-480	632-052-101	WH-482	640-070-007	WH-480	73325A	WH-504
631-051-101	WH-480	632-052-107	WH-482	640-070-008	WH-480	73602	WH-504
631-051-107	WH-480	632-053	WH-412	640-070-101	WH-480	73915	WH-504
632-014-001	WH-470	632-057	WH-722-95D	640-070-107	WH-480	73961	WH-478
632-014-002	WH-470	632-057-001	WH-722-95D	65-2	WH-596-A	73961-020	WH-478
632-014-003	WH-470	632-057-003	WH-722-95D	65-A	WH-600-A	74657	WH-514
632-014-004	WH-470	632-057-008	WH-722-95D	65A	WH-600-A	74816552	WH-478
632-014-007	WH-470	632-057-101	WH-722-95D	66216	WH-652-A	74878390	WH-478
632-014-008	WH-470	632-069	WH-484	66216-HD	WH-652-A	749306145	WH-482
632-014-101	WH-470	632-069-001	WH-484	66216-S	WH-644-STEEL-A	74972095	WH-508
632-014-107	WH-470	632-069-003	WH-484	66216-ST	WH-644-STEEL-A	75404	WH-504
632-015-001	WH-470	632-069-004	WH-484	66225	WH-588-A	75404-A	WH-504
632-015-003	WH-470	632-069-007	WH-484	66225-D	WH-588-A	75404A	WH-504
632-015-004	WH-470	632-069-008	WH-484	66225-N	WH-588-A	77084	WH-522
632-015-007	WH-470	632-069-00G	WH-484	66225-S	WH-588-A	77084-001	WH-522
632-015-008	WH-470	632-069-01	WH-484	66225S	WH-588-STEEL-A	77084-002	WH-522
632-015-107	WH-470	632-069-101	WH-484	666	WH-722-95D	77084-003	WH-522
632-016	WH-472	632-069-107	WH-484	671-041-001	WH-542-95D	77084-010	WH-522
632-018	WH-544-95D	632-071	WH-736-95D	671-041-002	WH-542-95D	77084-020	WH-522
632-018-003	WH-732-95D	632-076	WH-732-95D	671-041-003	WH-542-95D	77084-040	WH-522
632-018-NL7	WH-732-95D	632-076-001	WH-732-95D	671-041-004	WH-542-95D	77084-1	WH-522
632-030	WH-478	632-076-003	WH-732-95D	671-041-007	WH-542-95D	77084-10	WH-522
632-030-001	WH-478	632-076-004	WH-732-95D	671-041-008	WH-542-95D	77084-2	WH-522
632-030-002	WH-478	632-076-007	WH-732-95D	671-041-107	WH-542-95D	77084-20	WH-522
632-030-003	WH-478	632-078	WH-724-95D	70	WH-682-A	77084-3	WH-522

STEER & LOAD WHEELS CROSS REFERENCE

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OEM	HELMAR	OEM	HELMAR	OEM	HELMAR	OEM	HELMAR
77084-40	WH-522	800121030	WH-732-95D	83585-010	WH-524	906-0078-A-HD	WH-692-A
77086	WH-472	800124832	WH-744-95D	83585-030	WH-524	906-0078-A-ST	WH-692-A
77086-020	WH-472	800127041	WH-724-95D	83585-10	WH-524	908684	WH-476
77086-030	WH-472	800N	WH-684-N-A	83585-30	WH-524	9114	WH-738-95D
77086-040	WH-472	800P	WH-684-A	83586	WH-514	9133	WH-522
78255	WH-522	800S	WH-684-STEEL-A	83586-030	WH-514	9133HL	WH-522
78262	WH-450	80588-A	WH-728-A-95D	83586-30	WH-514	9133P	WH-522
78264	WH-442	805888-010	WH-728-95D	83587	WH-500	9145	WH-502
78272	WH-734-95D	805888-10	WH-728-95D	83587-010	WH-500	9151	WH-500
78402	WH-552-A-95D	806807	WH-550-A-95D	83587-030	WH-500	915157	WH-440
78408	WH-552-A-95D	80A	WH-600-A	83587-10	WH-500	9152	WH-514
78437	WH-552-A-95D	813014	WH-546-95D	83587-30	WH-500	9153	WH-518
78730461	WH-470	813015	WH-546-95D	83879	WH-452	91595	WH-512
80	WH-600-A	813080	WH-478	83970	WH-506	91619	WH-608-A
800019620	WH-728-A-95D	813080-001	WH-478	83970-010	WH-404	91619-A	WH-608-A
800031393	WH-588-A	813081	WH-550-A-95D	83970-050	WH-506	91619-S	WH-612-STEEL-A
800032	WH-502	813081-001	WH-550-A-95D	83970-50	WH-506	9186	WH-742-95D
800044017	WH-502	813081-1	WH-550-A-95D	84484-020	WH-452	921-000-370	WH-484
800044076	WH-484	813128	WH-728-A-95D	85001753	WH-672-N-A	92537	WH-448
800044554	WH-730-95D	813129	WH-728-95D	85007098	WH-566-A	928-603	WH-480
800044677	WH-732-95D	81352	WH-472	85007098-A-C	WH-566-A	93656	WH-472
800044680	WH-720-95D	81352-010	WH-472	85007098-A-D	WH-566-A	93656-010	WH-472
800044688	WH-484	81352-020	WH-472	85007098-N-A	WH-566-N-A	939-353-265	WH-546-95D
800044765	WH-722-95D	81352-025	WH-472	8611657	WH-422	939-357-047	WH-546-95D
800044789	WH-740-95D	81352-035	WH-472	8612234	WH-422	971735	WH-486
800044971	WH-502	81352-040	WH-472	8730186	WH-472	971736	WH-488
800045219	WH-450-95D	81645	WH-502	8730461	WH-470	971737	WH-424
800045220	WH-502	81645-020	WH-502	8730487	WH-508	971738	WH-430
800045274	WH-742-95D	81645-20	WH-502	885902	WH-480	971742	WH-442
800046167	WH-738-95D	82021	WH-512	886708	WH-462	971752	WH-430
800046172	WH-742-95D	82021-010	WH-512	887050	WH-472	971755	WH-480
800050415	WH-732-95D	82021-030	WH-512	89	WH-588-A	971756	WH-478
800059	WH-462	82021-10	WH-512	898577	WH-446	971757	WH-482
800065227	WH-570-A	82021-30	WH-512	89N	WH-588-N-A	971758	WH-412
800065230	WH-570-A	82274-1	WH-686-A	90100-01	WH-688-A	971759	WH-422
800075674	WH-588-A	82274-1-HD	WH-686-A	90100-01-P	WH-688-A	971760	WH-522
800076204	WH-522	82274-1-ST	WH-686-A	90100-01-S	WH-688-STEEL-A	971761	WH-508
800076379	WH-502	82274-2	WH-686-N-A	901214	WH-448	971763	WH-512
800076439	WH-508	82274-3	WH-686-STEEL-A	90162	WH-690-N-A	971764	WH-500
800076466	WH-514	82283	WH-452	90163	WH-690-N-A	971768	WH-514
800113983	WH-734-95D	82283-1	WH-602-A	90164	WH-690-A	971786	WH-408
800114277	WH-732-95D	82283-1-D	WH-602-A	90165	WH-690-A	971803	WH-490
800114410	WH-730-95D	82283-2	WH-602-N-A	90317	WH-604-N-A	971851	WH-446
800114569	WH-480	82283-3	WH-602-STEEL-A	90320	WH-606-N-A	971867	WH-732-95D
800114595	WH-722-95D	82284	WH-452	90321	WH-606-N-A	971880	WH-472
800114597	WH-722-95D	82285	WH-602-N-A	90326	WH-582-A	971886	WH-480
800114618	WH-740-95D	82286	WH-452	90332	WH-600-A	971887	WH-498
800114629	WH-484	82740	WH-522	906-0023	WH-568-N-A	971895	WH-462
800114635	WH-736-95D	83179	WH-508	906-0023-D-A	WH-574-A	971943	WH-478
800114821	WH-450-95D	83179-010	WH-508	906-0023-N-A	WH-574-A	971958	WH-722-95D
800120486	WH-450-95D	83179-050	WH-508	906-0023-P-A	WH-574-A	971980	WH-498
800120632	WH-736-95D	83179-10	WH-508	906-0023-S-A	WH-594-STEEL-A	971999	WH-452
800120709	WH-722-95D	83179-107	WH-508	906-0023D	WH-574-A	972004	WH-506
800120719	WH-740-95D	83179-50	WH-508	906-0023P	WH-574-A	972005	WH-452
800120726	WH-484	831790-10	WH-508	906-0023S	WH-594-STEEL-A	972007	WH-450
800120786	WH-450-95D	83585	WH-524	906-0078	WH-692-A	972010	WH-524

STEER & LOAD WHEELS CROSS REFERENCE

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OEM	HELMAR	OEM	HELMAR	OEM	HELMAR	OEM	HELMAR
972012	WH-502	AR-28	WH-622-A	F820	WH-408	L000983	WH-422
972015	WH-478	B-1-10-P	WH-702-A	F9114	WH-738-95D	L002356	WH-522
972016	WH-502	B-26460	WH-476	F9133	WH-522	L002361	WH-502
972020	WH-504	B-27626-01	WH-470	F9136-12	WH-518	L009103	WH-504
972021	WH-514	B-27626-1	WH-470	F9136HL	WH-450-95D	L009111	WH-512
972031	WH-442	B-4-5	WH-614-A	F9143	WH-508	L009132	WH-452
972046	WH-474	B-4-5-N	WH-614-N-A	F9145	WH-502	L009133	WH-522
972048	WH-496	B-4015-000	WH-474	F9152	WH-514	L009135	WH-472
972061	WH-452	B-40157	WH-474	F9186	WH-742-95D	L009136	WH-450
973127	WH-496	B-40157-00	WH-474	GP-1026	WH-570-A	L009138	WH-452
973588	WH-450	B-40222	WH-474	GP-1047	WH-570-A	L009139	WH-506
984840	WH-548-95D	B35-N	WH-588-N-A	GP-2228	WH-588-A	L009142	WH-502
985189	WH-480	B35N	WH-588-N-A	GP-2994	WH-570-A	L009143	WH-508
992628	WH-408	B45	WH-614-A	GW 530	WH-730-95D	L009145	WH-502
993-470	WH-478	BHP-022N	WH-428	GW 627	WH-732-95D	L009146	WH-524
994395	WH-446	C-10210	WH-616-STEEL-A	GWK-JETW-LW	WH-622-A	L009150	WH-516
9988-006	WH-424	C-10210-A	WH-616-STEEL-A	H04513-008	WH-450	L009151	WH-500
9988-038	WH-430	C-20196	WH-472	H07033-002	WH-450	L009152	WH-514
9988-038S	WH-430	C-20197	WH-472	H4513-8	WH-450	L009153	WH-518
9988-048	WH-424	C-32195	WH-488	HP-282	WH-570-A	L009157	WH-518
9988-049	WH-424	C-33746	WH-472	HP-610	WH-570-A	L009752	WH-508
9988-051	WH-424	C-42617	WH-732-95D	JTPT2748A-080-D	WH-600-A	L009817	WH-508
9988-055	WH-470	C-46239	WH-498	L000130	WH-486	L100322	WH-438
9988-057	WH-424	C-8837	WH-462	L000143	WH-488	L100328	WH-438
9988-065	WH-470	C10210	WH-616-STEEL-A	L000153	WH-526	L300666	WH-722-95D
9988-066	WH-424	C128	WH-682-A	L000154	WH-490	L300674	WH-740-95D
A-28842-647	WH-474	C227	WH-588-A	L000157	WH-492	L309153	WH-518
A-28842-842	WH-474	C227N	WH-588-N-A	L000248	WH-424	L309157	WH-518
A0000-16250	WH-450-95D	C33557	WH-462	L000319	WH-438	L500629	WH-484
A000000842	WH-688-A	C33735	WH-480	L000338	WH-442	L500674	WH-740-95D
A000000909	WH-600-A	C42617	WH-732-95D	L000341	WH-444	L509141	WH-450-95D
A000016250	WH-450-95D	CB-60	WH-714-A	L000342	WH-446	LR0105	WH-554-A
A123	WH-588-A	CB-80	WH-600-A	L000345S	WH-472	M200SA	WH-558-STEEL-A
A123B	WH-608-A	CR-9114	WH-738-95D	L000346	WH-440	MC-108	WH-602-A
A123C	WH-604-N-A	CR-9153	WH-518	L000348	WH-520	MG 148	WH-630-A
A123D	WH-612-STEEL-A	CR9129N	WH-588-A	L000356	WH-474	MG 536	WH-578-N-A
A185	WH-686-A	DS224375	WH-484	L000359	WH-436	MG-147	WH-716-N-A
A185B	WH-694-A	DS224382	WH-508	L000366	WH-476	MG-536	WH-578-N-A
A185C	WH-686-N-A	DS226864	WH-484	L000420	WH-732-95D	MG147	WH-716-N-A
A185D	WH-686-STEEL-A	DS226866	WH-484	L000432	WH-492	MG148	WH-630-A
A3X4	WH-608-A	E183	WH-704-A	L000442	WH-460	MO106A	WH-470
A8X2PMWB	WH-696-A	EX0262-SER	WH-514	L000446	WH-456	MO109	WH-432
A9988-38	WH-430	EZ-3010-P	WH-670-A	L000467	WH-462	MU 090153008	WH-556-A
A9988-48	WH-424	EZ3028-P-D	WH-622-A	L000529	WH-430	MU 090186000	WH-634-A
AA-2.875X4	WH-610-A	F2344	WH-734-95D	L000530	WH-730-95D	MU 09559049	WH-600-A
AA-3X4	WH-608-A	F420	WH-732-95D	L000641	WH-478	MU 325-P	WH-582-A
AA-3X4PMWB-D	WH-608-A	F530	WH-730-95D	L000653	WH-480	MU 325-P-D	WH-582-A
AA-3X4SMWB	WH-612-STEEL-A	F636	WH-732-95D	L000654	WH-482	MU 800-P-HD	WH-684-A
AA-7.25X2PM	WH-698-A	F654	WH-482	L000663	WH-412	MU 90100-01-9-HD	WH-688-A
AA-7.25X2PMWB	WH-698-A	F666	WH-722-95D	L000666	WH-722-95D	MU 91619-A	WH-608-A
AA-8X2PMWB	WH-696-A	F666PS	WH-722-95D	L000674	WH-740-95D	MU 91619-S	WH-612-STEEL-A
AA-8X2PMWB-HD	WH-696-A	F673	WH-740-95D	L000820	WH-408	MU09559049	WH-600-A
AA-8X2SMWB	WH-700-STEEL-A	F673PS	WH-740-95D	L000821	WH-496	N-13864	WH-632-N-A
APGP-2228	WH-588-A	F684	WH-724-95D	L000824	WH-446	N13861	WH-618-N-A
AR-10	WH-670-A	F7711	WH-736-95D	L000850	WH-494	NA067018	WH-508
AR-10-HD	WH-670-A	F806	WH-744-95D	L000854	WH-498	P-13864	WH-706-A

OEM	HELMAR	OEM	HELMAR	OEM	HELMAR	OEM	HELMAR
P-210335	WH-708-A	PT2748L-103	WH-714-A	S0002010328-D	WH-600-A	WH-510	WH-670-A
P-210335-N	WH-708-N-A	PT2748W-10	WH-670-A	S000401066	WH-690-N-A	WH-610-A	WH-608-A
P13861	WH-618-A	PT2748W-10-HD	WH-670-A	S0014010028	WH-688-A	WHL-5010-EPTUM	WH-624-A
P13864	WH-706-A	PT2748W-29	WH-622-A	S0014010028-HD	WH-688-A	WHL-5012-TPTUM	WH-718-A
P210335	WH-708-A	PT2748W-29-D	WH-622-A	S0014010028-ST	WH-690-A	WHL-5013-TPTUM	WH-590-A
P210335B	WH-708-A	PW-005	WH-450-95D	S629XL	WH-484	WHL-5013-TPTUM-S	WH-628-STEEL-A
P210335N	WH-708-N-A	PW-420	WH-732-95D	S666	WH-722-95D	Z-1128	WH-648-A
P220335	WH-620-N-A	PW-666	WH-722-95D	S9114	WH-738-95D	Z-1227	WH-588-A
P30W	WH-408	PW-684	WH-724-95D	S9133	WH-522	Z70	WH-682-A
PA613M	WH-430	PW-700HL	WH-484	S9152	WH-514	Z89	WH-588-A
PAL-13	WH-432	PW-806	WH-744-95D	SU627	WH-720-95D	Z89-D	WH-588-A
PAL-13-AK	WH-730-95D	PW-9114	WH-738-95D	SY34043	WH-744-95D	Z89-N	WH-588-N-A
PAL-13-DK	WH-730-95D	PW-9129	WH-588-A	SY53150	WH-502	Z89D	WH-588-A
PAL-13-GK	WH-730-95D	PW-9133	WH-522	SY82670	WH-484	Z89N	WH-588-N-A
PAL-13M	WH-470	PW-9136HL	WH-450-95D	SY82694	WH-570-A		
PAL-56	WH-710-A	PW-9143	WH-508	SYF2344	WH-734-95D		
PAL-P202	WH-578-A	PW-9145	WH-502	SYF420	WH-732-95D		
PL-20210P	WH-466	PW-9152	WH-514	SYF530	WH-730-95D		
PL20210	WH-568-N-A	PW-9186	WH-742-95D	SYF636	WH-732-95D		
PL20210N-B	WH-568-N-A	PWT-2261A0	WH-450-95D	SYF666PS	WH-722-95D		
PL20210P	WH-574-A	RA-319	WH-722-95D	SYF673PS	WH-740-95D		
PL20210P-B	WH-574-A	RL-31-3	WH-624-A	SYF684	WH-724-95D		
PL20210P-B-D	WH-574-A	RL-31-D	WH-626-A	SYF700HL	WH-484		
PL20210S	WH-594-STEEL-A	RL-31-N	WH-624-N-A	SYF7711PS-THO	WH-736-95D		
PL20210S-B	WH-594-STEEL-A	RL-31-N-3.25	WH-626-N-A	SYF806	WH-456		
PLT-P0021-PY	WH-712-A	RL-31-S	WH-624-STEEL-A	SYF9114	WH-738-95D		
PLT-P0022-PY	WH-608-A	RL-31-S-3.25	WH-626-STEEL-A	SYF9136HL	WH-450-95D		
PLT-P0022-SA	WH-612-STEEL-A	RL-32	WH-716-A	SYF9145	WH-502		
PM01.05-A	WH-554-A	RL-32-HD	WH-716-A	SYF9186	WH-742-95D		
PM27808-00	WH-508	RL-32-N	WH-716-N-A	W3-4	WH-478		
PT2748A-060	WH-678-A	RL-32-S	WH-716-STEEL-A	W3-4A	WH-478		
PT2748A-080	WH-600-A	RY-700HL	WH-484	W3-5G	WH-480		
PT2748J-080	WH-622-A	S-629XL	WH-484	W35G	WH-480		
PT2748J-080-D	WH-622-A	S0002010328	WH-600-A	W5X3G	WH-478		

ROLLER BEARINGS

Part#	Type	Part#	Type	Part#	Type
07100	Cone	6202-2RS	Bearing Assembly	6305-2RS	Bearing Assembly
7196	Cup	6202-ZZ	Bearing Assembly	6305-ZZ	Bearing Assembly
15100	Cone	6203-2RS	Bearing Assembly	6306-2RS	Bearing Assembly
15123	Cone	6203-ZZ	Bearing Assembly	6306-ZZ	Bearing Assembly
15245	Cup	6204-2RS	Bearing Assembly	6307-2RS	Bearing Assembly
22053	Bearing Assembly	6204-ZZ	Bearing Assembly	6307-ZZ	Bearing Assembly
25821	Cup	6205-2RS	Bearing Assembly	8505/181Z	Bearing Assembly
25877	Cone	6205-ZZ	Bearing Assembly	8605	Bearing Assembly
5205-2RS	Bearing Assembly	6206-2RS	Bearing Assembly	87505	Bearing Assembly
5205-ZZ	Bearing Assembly	6206-ZZ	Bearing Assembly	87506	Bearing Assembly
6004-2RS	Bearing Assembly	6207-2RS	Bearing Assembly	GEZ50ES-2RS	Spherical
6004-ZZ	Bearing Assembly	6207-ZZ	Bearing Assembly	L44610	Cup
6005-2RS	Bearing Assembly	6208-2RS	Bearing Assembly	L44643	Cone
6005-ZZ	Bearing Assembly	6208-ZZ	Bearing Assembly	L44649	Cone
6006-2RS	Bearing Assembly	6209-2RS	Bearing Assembly	LM11910	Cup
6006-ZZ	Bearing Assembly	6209-ZZ	Bearing Assembly	LM11949	Cone
6200-2RS	Bearing Assembly	6303-2RS	Bearing Assembly	LM67010	Cup
6200-ZZ	Bearing Assembly	6303-ZZ	Bearing Assembly	LM67048	Cone
6201-2RS	Bearing Assembly	6304-2RS	Bearing Assembly		
6201-ZZ	Bearing Assembly	6304-ZZ	Bearing Assembly		

ELECTRIC PALLET JACK PARTS

502

BAKER



Axle, Load Wheel

153450

BAKER



Axle

986042

BAKER



Zerk Fitting

9872-008

BAKER



Axle

992629

BAKER



Pull Rod (48" Forks)

992640

BARRETT



Brush

28802-017

BARRETT



Brake Shoe

28829-065

BARRETT



Axle

301766-000

BIG JOE



Axle

799-944

BT



Axle

304874-000

BT



Zerk Fitting

310546-000

BT



Zerk Fitting

310549-000

CLARK



Zerk Fitting

1313115

CLARK



Pin, Hinge

914966

CLARK



Pin

921509

CLARK



Bearing

925414

CLARK



Roller

992656

CLARK



Brake Shoe

998851

CROWN



Stud

042054-002

CROWN



Shaft

042213

CROWN



Shaft
042214

CROWN



Shaft
042215

CROWN



Tension Axle End
045292-001

CROWN



Tension Axle End
045292-002

CROWN



Shaft
045433

CROWN



Bushing
055084-005

CROWN



Bushing
055084-009

CROWN



Screw
060045-028

CROWN



Axle
073962-003

CROWN



Axle
074659-004

CROWN



Spacer
100463

CROWN



Brake Shoe
101451

CROWN



Staic Ground Strap
102126-003

CROWN



Shaft
102963

CROWN



Shaft
102964

CROWN



Spring
104329

CROWN



Key
107151-001

CROWN



Pin, Hinge
107157-001

CROWN



Axle
107159-001

CROWN



Axle
107159-002

ELECTRIC PALLET JACK PARTS

504

CROWN  Pivot Shaft 109528	CROWN  Brush 109953	CROWN  Axle 110454	CROWN  Shaft, Roller 113365
CROWN  Shaft 113366	CROWN  Fuse Holder 113772	CROWN  Link Assembly 115332	CROWN  Link Assembly 115333
CROWN  Riser 115491	CROWN  Axle 115496	CROWN  End, Torsion Bar / Bushing 115497	CROWN  Axle 115509
CROWN  Axle 115510	CROWN  Axle 115515	CROWN  Axle 115518	CROWN  Shaft 115521
CROWN  Rod, Threaded 115883	CROWN  Switch 115972-001	CROWN  Switch 115972-002	CROWN  Pin 116801

CROWN



Axle
116802

CROWN



Axle (Freezer)
116804

CROWN



Pin
118924

CROWN



Flanged Inlet
120127

CROWN



Emergency Disconnect Switch
120198-001

CROWN



Cord Reel
120551

CROWN



Switch
120569

CROWN



Plate, Pivot
121786-001

CROWN



Plate, Pivot
121786-002

CROWN



Bottom Plate
125250

CROWN



Pin, Link
125253

CROWN



Link
125254

CROWN



Pin, Locking
125255

CROWN



Tension Kit, Battery
125266-001

CROWN



Pin
125296

CROWN



Spring Extension
125299

CROWN



Spacer, Nylon
126877

CROWN



Fuse Holder
127037

CROWN



Cam, Axle
128648-2

CROWN



Weldment, Wear Plate
131257

ELECTRIC PALLET JACK PARTS

506

CROWN  Plate, Retainer 131260	CROWN  Cover, Dead Man Switch 132245	CROWN  Shaft 134177	CROWN  Gas Spring 370003
CROWN  Gas Spring 370008	CROWN  Bushing 42053-012	CROWN  Riser 42198	CROWN  Axle 42203
CROWN  Axle 45224	CROWN  Axle 45469	CROWN  Shaft, Axle 45477	CROWN  Screw 50005-10
CROWN  Bushing 51058-001	CROWN  Bushing 55084-009	CROWN  Washer 60030-173	CROWN  Bushing, Sleeve 65007-40
CROWN  Shaft 71473	CROWN  Seal, Bearing 73893	CROWN  Axle 73962-004	CROWN  Axle 73962-006

<p>CROWN</p>  <p>Axle 74659-001</p>	<p>CROWN</p>  <p>Spring, Handle Return 74909</p>	<p>CROWN</p>  <p>Caster Assembly 75404-004</p>	<p>CROWN</p>  <p>Return Spring 79791</p>
<p>CROWN</p>  <p>Axle 80191</p>	<p>CROWN</p>  <p>Spring 803013</p>	<p>CROWN</p>  <p>Upper Link / Bushing 805754-002</p>	<p>CROWN</p>  <p>Shaft 805760</p>
<p>CROWN</p>  <p>Upper Link / Bushing 805761-002</p>	<p>CROWN</p>  <p>Link, Lower 805773-002-04</p>	<p>CROWN</p>  <p>Washer 805820</p>	<p>CROWN</p>  <p>Wire Harness 805867-2</p>
<p>CROWN</p>  <p>Axle 805888-008</p>	<p>CROWN</p>  <p>Axle 805888-009</p>	<p>CROWN</p>  <p>Riser, Single 805920-002</p>	<p>CROWN</p>  <p>Shaft 807097</p>
<p>CROWN</p>  <p>Brake Assembly 807102</p>	<p>CROWN</p>  <p>Skid Plate 808262</p>	<p>CROWN</p>  <p>Axle 811413</p>	<p>CROWN</p>  <p>Pivot Block 813051</p>

ELECTRIC PALLET JACK PARTS

508

CROWN



Axle
82144

CROWN



Pivot Shaft
82579

CROWN



Axle
83950

CROWN



Felt Seal
85582

CROWN



Axle (Freezer)
86603-001

CROWN



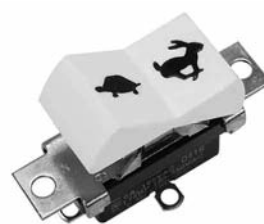
Axle (Freezer)
86603-2

CROWN



Brake Shoe
87473

CROWN



Switch
89523

CROWN



Axle
92367

CROWN



Brake Shoe
92440

CROWN



Axle
92588

CROWN



Wire Hraness
93389

HYSTER



Axle
1466114

HYSTER



Interface Card
1498101

HYSTER



Brush Set
1506791

HYSTER



Motor Cover (L/H)
1537409

HYSTER



Motor Cover (R/H)
1537410

HYSTER



Brush
2013352

HYSTER



Brake Shoe
201868

HYSTER



Knob
2033545

HYSTER



Pin
2033635

HYSTER



Pin, Link
2033820

HYSTER



Bushing
2034088

HYSTER



Bushing
2038070

HYSTER



Static Ground Strap
2038652

HYSTER



Axle, Entry Roller
2039255

HYSTER



Threaded Rod
2039315

HYSTER



Axle
2039868

HYSTER



Link, Riser
2039904

HYSTER



Drive Motor Cover
2041689

HYSTER



Interface Card
2043558

HYSTER



Spring Loaded Caster
2044852

HYSTER



Upper Control Handle
2045501

HYSTER



Brake Assembly
2046003

HYSTER



Axle
2046057

HYSTER



Steer Arm
2050082

HYSTER



Lower Rear Link (L/H)
2050085

HYSTER



Lower Rear Link (R/H)
2050086

HYSTER



Coiled Pin
2050087

HYSTER



Spacer
2050730

ELECTRIC PALLET JACK PARTS

510

HYSTER



Pin
2059695

HYSTER



Axle
2061914

HYSTER



Pin
2062561

HYSTER



Gas Spring
2066311

HYSTER



Wire Harness
2066432

HYSTER



Caster Assembly
2068403

HYSTER



Pivot Pin
2072207

HYSTER



Pivot Pin
2072208

HYSTER



Pivot Pin
2072209

HYSTER



Pivot Pin
2072210

HYSTER



Pivot Pin
2072211

HYSTER



Push Rod
2077180

HYSTER



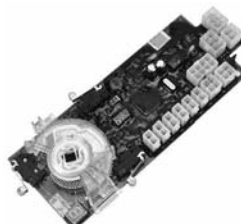
Riser
2081792

HYSTER



Push Rod
2085540

HYSTER



Interface Card
2091875

HYSTER



Gas Spring
2098777

HYSTER



Load Wheel / Bracket
2108790

HYSTER



Bushing
2302396

HYSTER



Pivot Pin
2302412

HYSTER



Zerk Fitting
2302457

HYSTER



Bell Crank

2302730

HYSTER



Shaft

2302981

HYSTER



Pin, Link

2303030

HYSTER



Pivot Pin

2303559

HYSTER



Axle

2304088

HYSTER



Axle

2304321

HYSTER



Pin

2304484

HYSTER



Pivot Shaft

2304566

HYSTER



Shaft

2305002

HYSTER



Shaft

2305815

HYSTER



Pin

2305824

HYSTER



Lift Cylinder Pin

2306563

HYSTER



Overhaul Packing Kit

2307177

HYSTER



Pin, Link

2307202

HYSTER



Roller

2307475

HYSTER



Wire Harness

2307607

HYSTER



Link

2307680

HYSTER



Washer

2307951

HYSTER



Rim

2308186

HYSTER



Steering Arm

2308794

ELECTRIC PALLET JACK PARTS

512

HYSTER



Pull Rod (48" Forks)

2308822

HYSTER



Foot Switch

2308914

HYSTER



Bell Crank Pin

2309006

HYSTER



Axle

2309107

HYSTER



Pin

2311661

HYSTER



Bearing

2791987

HYSTER



2792053

HYSTER



Bracket

359658

HYSTER



Lower Control Handle

4005445

MITSI / CAT



Axle

1009733

MITSI / CAT



Roller

1051077

MITSI / CAT



Axle

1075137

MITSI / CAT



Pin

1125630

MITSI / CAT



Zerk Fitting

217554

MITSI / CAT



Axle

NA013763

MITSI / CAT



Axle

NA018091

NISSAN



Transistor / Diode

29327-15K01

PRIME MOVER



Axle

1821948

PRIME MOVER



Axle

23189-00

PRIME MOVER



Axle

27217-00

PRIME MOVER



Axle
27799-00

PRIME MOVER



Hinge Pin
27804-00

PRIME MOVER



Axle
301730-003

PRIME MOVER



Pin
301996-001

PRIME MOVER



Pin
301996-002

PRIME MOVER



Pin
301996-006

PRIME MOVER



Lower Pin
304871-000

PRIME MOVER



Strip
310633-000

PRIME MOVER



Axle
310766-000

PRIME MOVER



Riser
312638-000

PRIME MOVER



Axle (Freezer)
312650-000

PRIME MOVER



Axle
312651-000

PRIME MOVER



Axle (Freezer)
313185-000

RAYMOND



Riser
1025351-002

RAYMOND



Riser
1025353-002

RAYMOND



Axle
1014759/002

RAYMOND



Axle
114-007-795

RAYMOND



Battery Cover (L/H)
114-009-096/005

RAYMOND



Battery Cover (R/H)
114-009-096/006

RAYMOND



Roller
123-001-381

ELECTRIC PALLET JACK PARTS

514

RAYMOND  Roller 1-135-103	RAYMOND  Brake Shoe 400-040-13	RAYMOND  Axle 623-010-297	RAYMOND  Zerk Fitting 624280
RAYMOND  Hinge Pin 671-012-17	RAYMOND  Washer 671-015-05	RAYMOND  Roller 828-006-726	RAYMOND  Transistor / Diode 828-900-101
RAYMOND  Zerk Fitting 841-111	RAYMOND  Axle 850-135-305	RAYMOND  Axle (3 Hole) 850-135-364-3	RAYMOND  Axle 850-135-634
RAYMOND  Axle 850-137-038	RAYMOND  Pin 850-137-246-001	RAYMOND  Pin 850-137-246-002	RAYMOND  Weldment, Tandem Pivot 850-137-664
RAYMOND  Riser 939-352-256	RAYMOND  Pin 939-353-053	RAYMOND  Axle 939-353/050	RAYMOND  Axle (Freezer) 939-353/127

TOYOTA



Riser

00590-43543-71

TOYOTA



Riser

00590-46288-71

TOYOTA



Riser

00590-46291-71

TOYOTA



Transistor / Diode

90891-03006-71

YALE



Link Pin

0648572-00

YALE



Washer

0650552-00

YALE



Wheel Kit

1501188-54

YALE



Wire Harness

2035394

YALE



Bearing

2720151-00

YALE



Pin

2720278-00

YALE



Bushing

5001939-07

YALE



Link

5009892-00

YALE



Rim

5010873-00

YALE



Lever

5022051-01

YALE



Pin

5023031-01

YALE



Pull Rod (48" Forks)

5024475-03

YALE



Pin

5036882-00

YALE



Steer Arm

5037717-00

YALE



Wire Harness

5039187-00

YALE



Bracket

5045742-37

ELECTRIC PALLET JACK PARTS

516

YALE



Shaft

5045992-00

YALE



Pivot Pin

5047342-00

YALE



Steer Arm

5049817-02

YALE



Overhaul Packing Kit

5051630-01

YALE



Axle

5053405-01

YALE



Axle

5053405-02

YALE



Axle

5056175-00

YALE



Shaft

5059845-00

YALE



Axle

5065665-00

YALE



Zerk Fitting

5071678-00

YALE



Pin

5072445-00

YALE



Pivot Shaft

5072475-00

YALE



Bushing

5072485-05

YALE



Push Rod

5073055-09

YALE



Push Rod

5073055-10

YALE



Link Pin

5073275-00

YALE



Bell Crank Pin

5183606-01

YALE



Pivot Arm

5188228-30

YALE



Upper Control Handle

5241390-06

YALE



Entry Roller Axle

5241409-13

YALE



Threaded Rod

5241410-79

YALE



Axle

5241411-51

YALE



Steer Arm

5241439-51

YALE



Lower Rear Link (R/H)

5241448-64

YALE



Lower Rear Link (L/H)

5241448-65

YALE



Brake Assembly

5241485-83

YALE



Axle

5241487-53

YALE



Spacer

5241556-14

YALE



Axle

5241631-44

YALE



Riser Link

5241773-37

YALE



Pin

5241791-91

YALE



Motor Cover (L/H)

5241849-71

YALE



Motor Cover (R/H)

5241849-72

YALE



Pivot Pin

5242210-63

YALE



Pivot Pin

5242210-64

YALE



Pivot Pin

5242210-65

YALE



Pivot Pin

5242210-66

YALE



Pivot Pin

5242210-67

YALE



Axle

5242306-99

YALE



Caster Assembly

5242442-20

ELECTRIC PALLET JACK PARTS

518

YALE



Riser

5242504-78

YALE



Push Rod

5242600-36

YALE



Interface Card

5242778-49

YALE



Load Wheel / Bracket

5243287-45

YALE



Lower Control Handle

5500055-99

YALE



Brush

5800017-70

YALE



Wire Harness

5800023-86

YALE



Axle

5800127-51

YALE



Drive Motor Cover

5800171-42

YALE



Spring Loaded Caster

5800231-64

YALE



Brush Set

5800291-49

YALE



Gas Spring

5800468-11

YALE



Wire Harness

5800469-76

YALE



Gas Spring

5800835-54

YALE



Bushing

5850863-03

YALE



Coiled Pin

5850968-02

YALE



Axle

623-010-181/002

YALE



Axle

6403741-00

YALE



Pin

6406973-03

YALE



Shaft

6408468-63

YALE



Lift Cylinder Pin
6417861-01

YALE



Bell Crank
6431824-00

YALE



Knob
7215281-04

YALE



Foot Switch
7221251-00

YALE



Bushing
7236731-00

YALE



Pivot Pin
7236831-00

YALE



Roller
7517913-00

YALE



Static Ground Strap
752830300

BAKER

Part#	Description
153450	Load Wheel Axle
986042	Axle
9872-008	Zerk Fitting
992629	Axle
992640	Pull Rod (48" Forks)

BARRETT

Part#	Description
28802-017	Brush

BARRETT

Part#	Description
28829-065	Brake Shoe
301766-000	Axle

BIG JOE

Part#	Description
799-944	Axle

BT

Part#	Description
304874-000	Axle
310546-000	Zerk Fitting
310549-000	Zerk Fitting

CLARK

Part#	Description
1313115	Zerk Fitting
914966	Hinge Pin

CLARK

Part#	Description
921509	Pin
925414	Bearing
992656	Roller
998851	Brake Shoe

CROWN

Part#	Description
042054-002	Stud
042213	Shaft
042214	Shaft
042215	Shaft
045292-001	Tension Bar End
045292-002	Tension Bar End
045433	Shaft
055084-005	Bushing
055084-009	Bushing
060045-028	Screw
073962-003	Axle
074659-004	Axle
100463	Spacer
101451	Brake Shoe
102126-003	Static Ground Strap
102963	Shaft
102964	Shaft
104329	Spring
107151-001	Key
107157-001	Hinge Pin
107159-001	Axle
107159-002	Axle
109528	Pivot Shaft
109953	Brush

CROWN

Part#	Description
110454	Axle
113365	Roller Shaft
113366	Shaft
113772	Fuse Holder
115332	Link Ass'Y
115333	Link Ass'Y
115491	Riser
115496	Axle
115497	Torsion Bar / Bushing End
115509	Axle
115510	Axle
115515	Axle
115518	Axle
115521	Shaft
115883	Threaded Rod
115972-001	Switch
115972-002	Switch
116801	Pin
116802	Axle
116804	Axle (Freezer)
118924	Pin
120127	Flanged Inlet
120198-001	Emergency Disconnect Switch
120551	Cord Reel
120569	Switch
121786-001	Pivot Plate
121786-002	Pivot Plate
125250	Bottom Plate
125253	Link Pin
125254	Link
125255	Locking Pin

ELECTRIC PALLET JACK PARTS

520

CROWN

Part#	Description
125266-001	Battery Tension Kit
125296	Pin
125299	Spring Extension
126877	Nylon Spacer
127037	Fuse Holder
128648-2	Axle Cam
131257	Wear Plate Weldment
131260	Retainer Plate
132245	Dead Man Switch Cover
134177	Shaft
316802	Axle (3 Hole)
370003	Gas Spring
370008	Gas Spring
42053-012	Bushing
42198	Riser
42203	Axle
45224	Axle
45469	Axle
45477	Axle Shaft
50005-10	Screw
51058-001	Bushing
55084-009	Bushing
60030-173	Washer
65007-40	Sleeve Bushing
71473	Shaft
73893	Bearing Seal
73962-004	Axle
73962-006	Axle
74659-001	Axle
74909	Handle Return Spring
75404-004	Caster Assembly
79791	Return Spring
80191	Axle
803013	Spring
805754-002	Upper Link/Bushing
805760	Shaft
805761-002	Upper Link/Bushing
805773-002-04	Lower Link
805820	Washer
805867-2	Wire Harness
805888-008	Axle
805888-009	Axle
805920-002	Single Riser
807097	Shaft
807102	Brake Assembly
808262	Skid Plate
811413	Axle
813051	Pivot Block
82144	Axle
82579	Pivot Shaft
83950	Axle
85582	Felt Seal
86603-001	Axle (Freezer)
86603-2	Axle (Freezer)
87473	Brake Shoe

CROWN

Part#	Description
89523	Switch
92367	Axle
92440	Brake Shoe
92588	Axle
93389	Wiring Harness

HYSTER

Part#	Description
1498101	Interface Card
1466114	Axle
1506791	Brush Set
1537409	Motor Cover (L/H)
1537410	Motor Cover (R/H)
2013352	Brush
201868	Brake Shoe
2033545	Knob
2033635	Pin
2033820	Link Pin
2034088	Bushing
2035394	Wire Harness
2038070	Bushing
2038652	Static Ground Strap
2039255	Entry Roller Axle
2039315	Threaded Rod
2039868	Axle
2039904	Riser Link
2041689	Drive Motor Cover
2043558	Interface Card
2044852	Spring Loaded Caster
2045501	Upper Control Handle
2046003	Brake Assembly
2046057	Axle
2050082	Steer Arm
2050085	Lower Rear Link (L/H)
2050086	Lower Rear Link (R/H)
2050087	Coiled Pin
2050730	Spacer
2059695	Pin
2061914	Axle
2062561	Pin
2066311	Gas Spring
2066432	Wire Harness
2068403	Caster Assembly
2072207	Pivot Pin
2072208	Pivot Pin
2072209	Pivot Pin
2072210	Pivot Pin
2072211	Pivot Pin
2077180	Push Rod
2081792	Riser
2085540	Push Rod
2091875	Interface Card
2098777	Gas Spring
2108790	Load Wheel / Bracket
2302396	Bushing

HYSTER

Part#	Description
2302412	Pivot Pin
2302457	Zerk Fitting
2302730	Bell Crank
2302981	Shaft
2303030	Link Pin
2303559	Pivot Pin
2304088	Axle
2304321	Axle
2304484	Pin
2304566	Pivot Shaft
2305002	Shaft
2305815	Shaft
2305824	Pin
2306563	Lift Cylinder Pin
2307177	O/H Packing Kit
2307202	Link Pin
2307475	Roller
2307607	Wire Harness
2307680	Link
2307951	Washer
2308186	Rim
2308794	Steer Arm
2308822	Pull Rod (48 Forks)"
2308914	Foot Switch
2309006	Bell Crank Pin
2309107	Axle
2311661	Pin
2791987	Bearing
2792053	Pin
359658	Bracket
4005445	Lower Control Handle

MITSI / CAT

Part#	Description
1009733	Axle
1051077	Roller
1075137	Axle
1125630	Pin
217554	Zerk Fitting
NA013763	Axle
NA018091	Axle

NISSAN

Part#	Description
29327-15K01	Transistor / Diode

PRIME MOVER

Part#	Description
1821948	Axle
23189-00	Axle
27217-00	Axle
27799-00	Axle
27804-00	Hinge Pin
301730-003	Axle
301996-001	Pin

PRIME MOVER

Part#	Description
301996-002	Pin
301996-006	Pin
304871-000	Lower Pin
310633-000	Strip
310766-000	Axle
312638-000	Riser
312650-000	Axle (Freezer)
312651-000	Axle
313185-000	Axle (Freezer)

RAYMOND

Part#	Description
1-135-103	Diode
1014759/002	Axle
1025351-002	Riser
1025353-002	Riser
114-007-795	Axle
114-009-096/005	Battery Cover (L/H)
114-009-096/006	Battery Cover (R/H)
123-001-381	Roller
400-040-13	Brake Shoe
623-010-181/002	Axle
623-010-297	Axle
624280	Zerk Fitting
671-012-17	Hinge Pin
671-015-05	Washer
828-006-726	Roller
828-900-101	Transistor / Diode
841-111	Zerk Fitting
850-135-305	Axle
850-135-364-3	Axle (3 Hole)
850-135-634	Axle
850-137-038	Axle
850-137-246-001	Pin
850-137-246-002	Pin
850-137-664	Tandem Pivot Weldment
939-352-256	Riser
939-353-053	Pin
939-353/050	Axle
939-353/127	Axle (Freezer)

TOYOTA

Part#	Description
00590-43543-71	Riser
00590-46291-71	Riser
00590-46288-71	Riser
90891-03006-71	Transistor / Diode

YALE

Part#	Description
0648572-00	Link Pin
0650552-00	Washer
1501188-54	Wheel Kit
2720151-00	Bearing
2720278-00	Pin

YALE

Part#	Description
5001939-07	Bushing
5009892-00	Link
5010873-00	Rim
5022051-01	Lever
5023031-01	Pin
5024475-03	Pull Rod (48 Forks)"
5036882-00	Pin
5037717-00	Steer Arm
5039187-00	Wire Harness
5045742-37	Bracket
5045992-00	Shaft
5047342-00	Pivot Pin
5049817-02	Steer Arm
5051630-01	O/H Packing Kit
5053405-01	Axle
5053405-02	Axle
5056175-00	Axle
5059845-00	Shaft
5065665-00	Axle
5071678-00	Zerk Fitting
5072445-00	Pin
5072475-00	Pivot Shaft
5072485-05	Bushing
5073055-09	Push Rod
5073055-10	Push Rod
5073275-00	Link Pin
5183606-01	Bell Crank Pin
5188228-30	Pivot Arm
5241390-06	Upper Control Handle
5241409-13	Entry Roller Axle
5241410-79	Threaded Rod
5241411-51	Axle
5241439-51	Steer Arm
5241448-64	Lower Rear Link (R/H)
5241448-65	Lower Rear Link (L/H)
5241485-83	Brake Assembly
5241487-53	Axle
5241556-14	Spacer
5241631-44	Axle
5241773-37	Riser Link
5241791-91	Pin
5241849-71	Motor Cover (L/H)
5241849-72	Motor Cover (R/H)
5242210-63	Pivot Pin
5242210-64	Pivot Pin
5242210-65	Pivot Pin
5242210-66	Pivot Pin
5242210-67	Pivot Pin
5242306-99	Axle
5242442-20	Caster Assembly
5242504-78	Riser
5242600-36	Push Rod
5242778-49	Interface Card
5243287-45	Load Wheel / Bracket
5500055-99	Lower Control Handle

YALE

Part#	Description
5800017-70	Brush
5800023-86	Wire Harness
5800127-51	Axle
5800171-42	Drive Motor Cover
5800231-64	Spring Loaded Caster
5800291-49	Brush Set
5800468-11	Gas Spring
5800469-76	Wire Harness
5800835-54	Gas Spring
5850863-03	Bushing
5850968-02	Coiled Pin
6403741-00	Axle
6406973-03	Pin
6408468-63	Shaft
6417861-01	Lift Cylinder Pin
6431824-00	Bell Crank
7215281-04	Knob
7221251-00	Foot Switch
7236731-00	Bushing
7236831-00	Pivot Pin
7517913-00	Roller
752830300	Static Ground Strap

MJP PALLET JACK

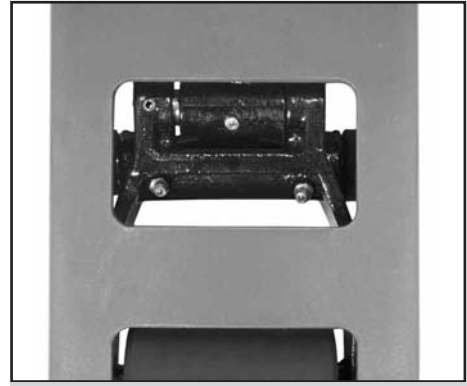
522



One piece leak proof cast hydraulic pump with dual lowering level for hand or foot assures maximum up time productivity.



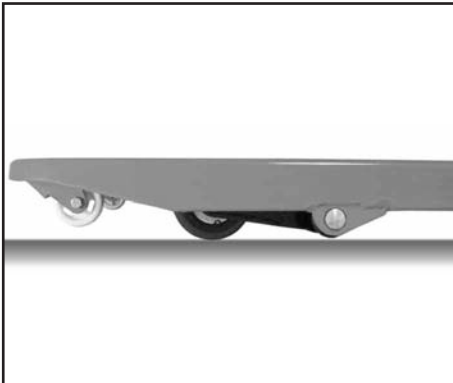
Manufacturing facility certified ISO9002



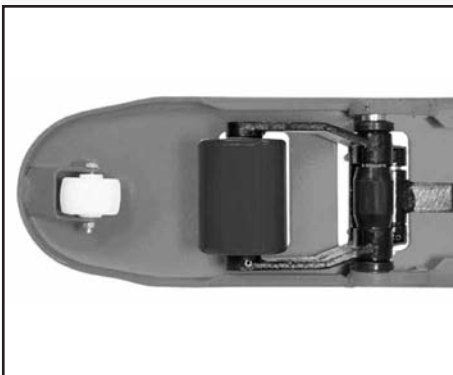
All wear points can be lubricated with 8 easily accessible grease fittings.




Safety loop handle with 3 position control lever provides user friendly operation.



Lowered fork height 2.9 inches



Fork rollers allow for easy pallet entry and exit. All poly wheels standard. Strong re-enforced forks with adjustable pull rods.



MJP20-5500
(20 1/2"W x 48"L)

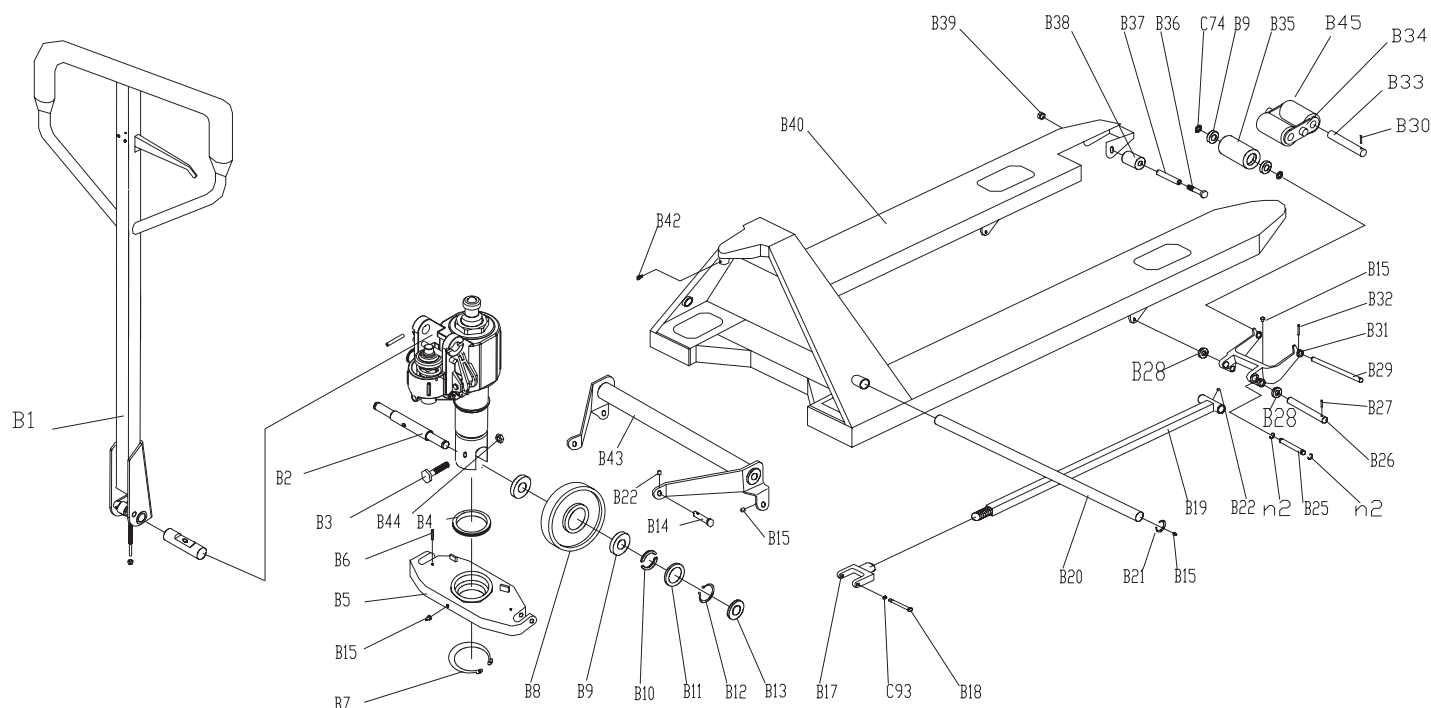
MJP36-5500
(27"W x 36"L)

MJP-5500
(27"W x 48"L)

SPECIFICATIONS

LOAD CAPACITY	5,500 LBS.
LOWERED HEIGHT OF FORKS	2.9 INCHES
RAISED HEIGHT	7 13/16"
OVERALL WIDTH ACROSS FORKS (A) MJP-5500	27"
OVERALL WIDTH ACROSS FORKS (A) **MJP20-5500**	20 1/2"
FORK WIDTH	6 5/16"
SPACE BETWEEN FORKS (B)	14.4"
STANDARD FORK LENGTH (L)	48"
LOAD ROLLERS	2.9" X 3.7"
FRONT WHEELS (STEER)	7" x 2"
WHEELS	POLYURETHANE
BODY LENGTH (INCLUDING PUMP)	14"
APPROXIMATE WEIGHT	220 LBS.

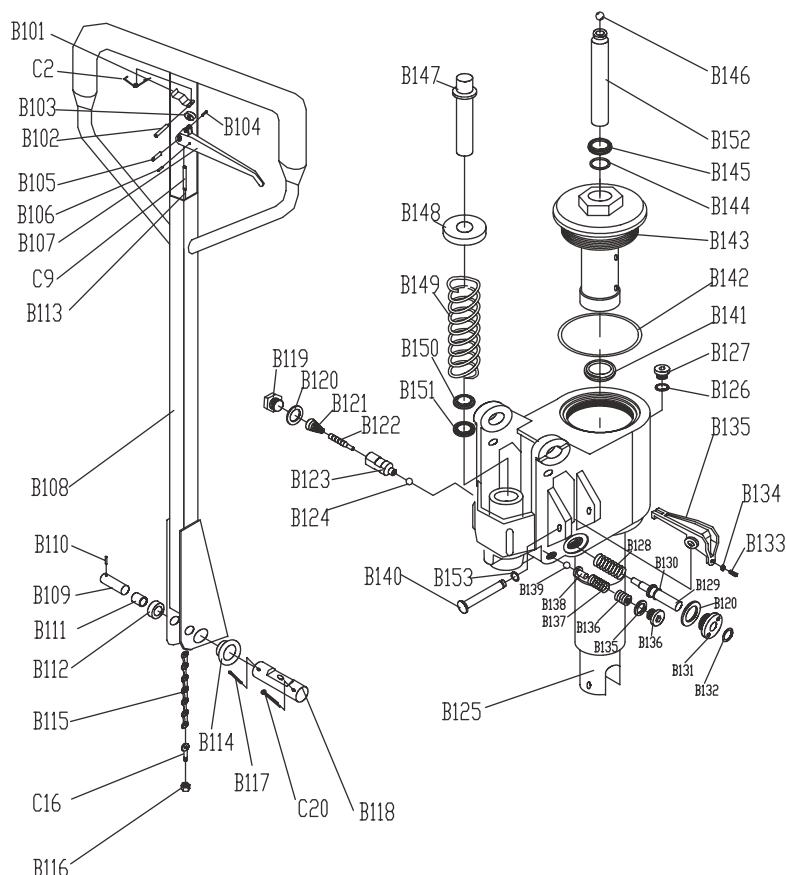
MJP20-5500, MJP36-5500& MJP-5500 Frame



MJP20-5500, MJP36-5500& MJP-5500 Frame

Item#	Part#	Description	Quantity	Item#	Part#	Description	Quantity
B1	B1-MJP	Handle and pump complete	1	B34	B34-MJP	Nog Of Fork Wheel	0(4")
B2	B2-MJP	Shaft	1	B35	B35-MJP	Double Fork Wheel	0(4")
B3	B3-MJP	Bolt	1	B36	B36-MJP	Bolt	2
B4	B4-MJP	Bearing	1	B37	B37-MJP	Sheath	2
B5	B5-MJP	Supporting Base	1	B38	B38-MJP	Pilot Wheel	2
B6	B6-MJP	Elastic Pin	2	B39	B39-MJP	Nut	2
B7	B7-MJP	Retaining Ring For Axle	1	B40	B40-MJP	Fork Frame	1
B8	B8-MJP	Steel Wheel	2	B42	B42-MJP	Inside Hex Screw	1
B9	B9-MJP	Bearing	8	B43	B43-MJP	Rocker Arm	1
B10	B10-MJP	Half Circle	2	B44	B44-MJP	Nut	1
B11	B11-MJP	Bowl Washer	2	C93	C93-MJP	Retaining Ring For Axle	2
B12	B12-MJP	Retaining Ring For Axle	2	n2	N2-MJP	Retaining Ring For Axle	4
B13	B13-MJP	Dust Cover	2	C74	C74-MJP	Washer	4(8")
B14	B14-MJP	Pin	2				
B15	B15-MJP	Oiler	9				
B17	B17-MJP	Joint	2				
B18	B18-MJP	Pin	2				
B19	B19-MJP	Straight Tappet	2				
B20	B20-MJP	Long Shaft	1				
B21	B21-MJP	Retaining Ring For Hole	2				
B22	B22-MJP	Oiler	4				
B25	B25-MJP	Short Shaft	2				
B26	B26-MJP	Shaft	2				
B27	B27-MJP	Elastic Pin	2				
B28	B28-MJP	Washer	4				
B29	B29-MJP	Shaft Of Fork Wheel	2				
B30	B30-MJP	Elastic Pin	2				
B31	B31-MJP	Frame Of Fork Wheel	2				
B32	B32-MJP	Elastic Pin	2				
B33	B33-MJP	Shaft For Double Wheel	0(4")				

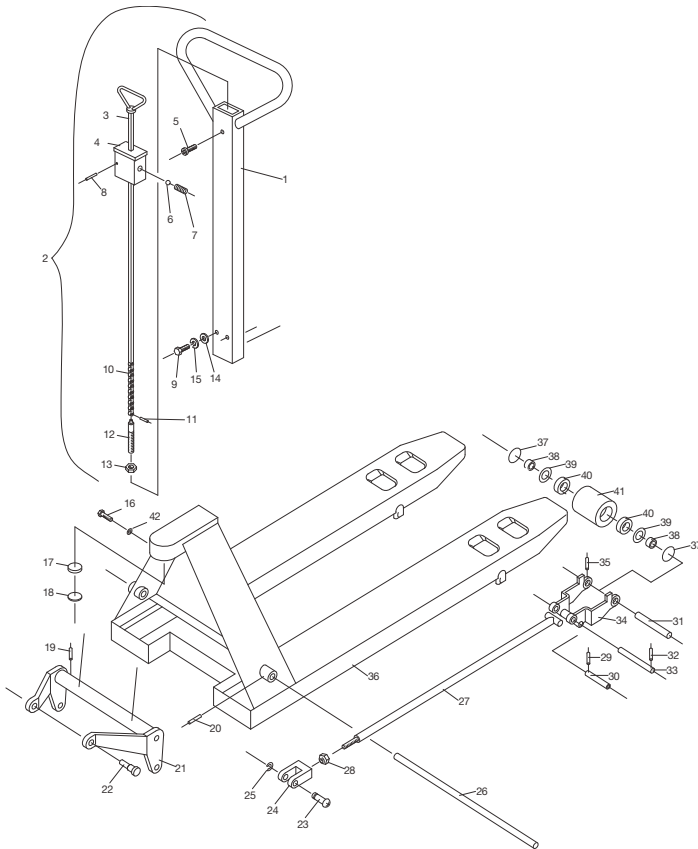
MJP20-5500, MJP36-5500 & MJP-5500 Hydraulic Unit



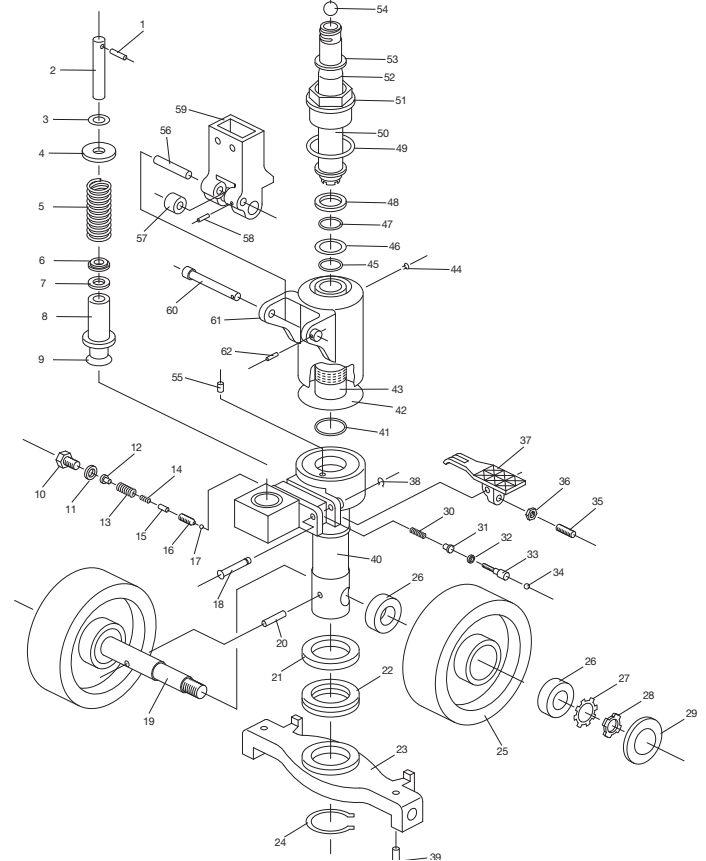
MJP20-5500, MJP36-5500 & MJP-5500 Hydraulic Unit

Item#	Part#	Description	Quantity	Item#	Part#	Description	Quantity
B101	B101-MJP	Spring	1	B127	B127-MJP	Plug	1
B102	B102-MJP	Elastic Pin	1	B128	B128-MJP	Spring	1
C2	C2-MJP	Spring	1	B129	B129-MJP	Valve Tappet	1
B103	B103-MJP	Roller	1	B130	B130-MJP	O-Ring	1
B104	B104-MJP	Elastic Pin	1	B131	B131-MJP	Cupreous Sheath	1
B105	B105-MJP	Elastic Pin	1	B132	B132-MJP	O-Ring	1
B106	B106-MJP	Elastic Pin	1	B133	B133-MJP	Regulate Screw	1
B107	B107-MJP	Handle	1	B134	B134-MJP	Nut	1
B108	B108-MJP	Hand Tube	1	B135	B135-MJP	Lever Plate	1
C9	C9-MJP	Join Blade	1	B136	B136-MJP	Screw	1
B109	B109-MJP	Pressure Roller Shaft	1	B137	B137-MJP	Spring	1
B110	B110-MJP	Elastic Pin	1	B138	B138-MJP	Steel Ball Base	1
B111	B111-MJP	Bush	1	B139	B139-MJP	Steel Ball	1
B112	B112-MJP	Pressure Roller	1	B140	B140-MJP	Pin	1
B113	B113-MJP	Pull Rod	1	B141	B141-MJP	U-Ring	1
B114	B114-MJP	Bushing	2	B142	B142-MJP	O-Ring	1
B115	B115-MJP	Chain	1	B143	B143-MJP	Cylinder Liner	1
C16	C16-MJP	Adjusting Screw	1	B144	B144-MJP	O-Ring	1
B116	B116-MJP	Nut	1	B145	B145-MJP	Dust Ring	1
B117	B117-MJP	Elastic Pin	1	B146	B146-MJP	Steel Ball	1
C20	C20-MJP	Split Pin	1	B147	B147-MJP	Small Piston Rod	1
B118	B118-MJP	Pressure Shaft	1	B148	B148-MJP	Hood	1
B119	B119-MJP	Plug	1	B149	B149-MJP	Spring	1
B120	B120-MJP	Copper Washer	2	B150	B150-MJP	Dust Ring	1
B121	B121-MJP	Spring	1	B151	B151-MJP	U-Ring	1
B122	B122-MJP	Spindle Of Damping	1	B152	B152-MJP	Big Piston Rod	1
B123	B123-MJP	Seat Of Damping Valve	1	B153	B153-MJP	Retaining Ring For Axle	1
B124	B124-MJP	Steel Bead	1				
B125	B125-MJP	Base Frame	1				
B126	B126-MJP	Copper Washer	1				

Atlas Zenith (Type 9) Frame



Atlas Zenith (Type 9) Hydraulic Unit



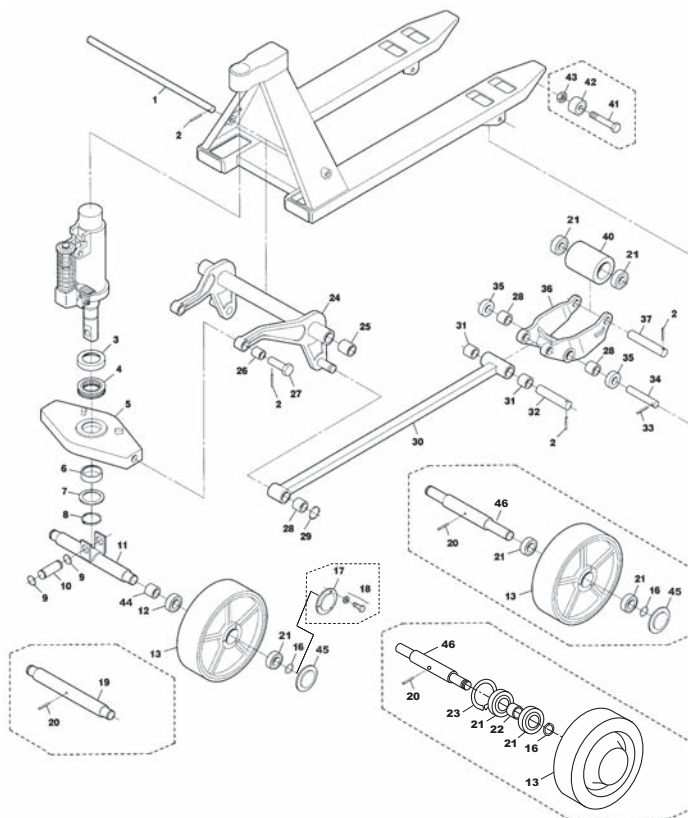
Atlas Zenith (Type 9) Frame

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
1	Z-1401	Handle Frame	18	Z-1203	Retainer	35	Z-1221	Roll Pin
2	Z-1401A	Handle Assembly	19	Z-1204	Oiler	36	Z-1222	Frame
3	Z-1402	Pull Rod	20	Z-1205	Roll Pin	37	Z-1223	Snap Ring
4	Z-1403	Support Base	21	Z-1206	Bell Crank	38	Z-1224	Spacer
5	Z-1404	Screw	22	Z-1207	Shoulder Bolt	39	Z-1225	Dust Cover
6	Z-1405	Ball	23	Z-1208	Rod Pin	40	Z-1226	Bearing
7	Z-1406	Spring	24	Z-1209	Clevis	41	Z-1227	Load roller assembly, black ultra poly on steel hub w/ bearings
8	Z-1407	Pin	25	Z-1210	Snap Ring	42	Z-1228	Lock Washer
9	Z-1408	Screw	26	Z-1211	Bell Crank Axle			
10	Z-1409	Chain	27	Z-1212	Push Rod			
11	Z-1410	Pin	28	Z-1213	Push Rod Hex Nut			
12	Z-141	Adjusting Screw	29	Z-1215	Roll Pin			
13	Z-1412	Nut	30	Z-1216	Push Rod Pin			
14	Z-1413	Washer	31	Z-1217	Load Wheel Axle			
15	Z-1414	Lock Washer	32	Z-1218	Roll Pin			
16	Z-1201	Screw	33	Z-1219	Pivot Axle			
17	Z-1202	Washer	34	Z-1220	Load Wheel Bracket			

Atlas Zenith (Type 9) Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
1	Z-1101	Pin	20	Z-1122	Spring Pin	38	Z-1147	Snap Ring
2	Z-2102A	Pump Piston	21	Z-2123A	Bearing Cover	39	Z-1123	Roll Pin
3	Z-1104	Washer	22	Z-1124	Thrust Bearing	40	Z-1148A	Pump Base NA
4	Z-2105	Washer	23	Z-2125A	Traverse	41 B	Z-1149	O-Ring
5	Z-1107	Spring	24	Z-1126	Snap Ring	42 B	Z-1150	Back-Up Ring
6 A,B	Z-2104	Scraper	25	Z-1128	Steer wheel assembly, black poly on nylon hub w/bearings	43	Z-1151	Ram Cylinder
7 A,B	Z-2105	U-Cup	26	Z-1129	Bearing	44 A,B	Z-1152	Oil Plug
8	Z-2110A	Pump Cylinder	27	Z-1130	Tab Washer	45	Z-1153	Retaining Ring
9 A,B	Z-111	10-Ring	28	Z-113	1Round Nut	46	Z-1154	Washer
10	Z-1112	Plug	29	Z-1132	Hub Cap	47 A,B	Z-1155	O-Ring
11 A,B	Z-1113	Copper Washer	30	Z-1134	Spring	48 A,B	Z-1156	U-Cup
12	Z-1114	Spring Seat	31	Z-1135	Spring Guide	49 B	Z-1157	Ring Seal
13	Z-1115	Spring	32 A,B	Z-1136	Seal	50	Z-1158	Lift Ram
14	Z-1116	Spring	33	Z-1137	Release Pin	51	Z-1159	Cylinder Cap
15	Z-1117	Spindle	34 A,B	Z-1138	O-Ring	52 B	Z-1160	O-Ring
16	Z-1118	Valve Seat	35	Z-1139	Adjustment Screw	53 B	Z-1161	Scraper
17	Z-1119	Valve Ball	36	Z-1140	Lock Nut	54	Z-1162	Ball
18	Z-1120	Pin	37	Z-1141	Release Lever	55	Z-1172	Filter
19	Z-112	1Steer Axle				56	Z-1180	Roller Pin

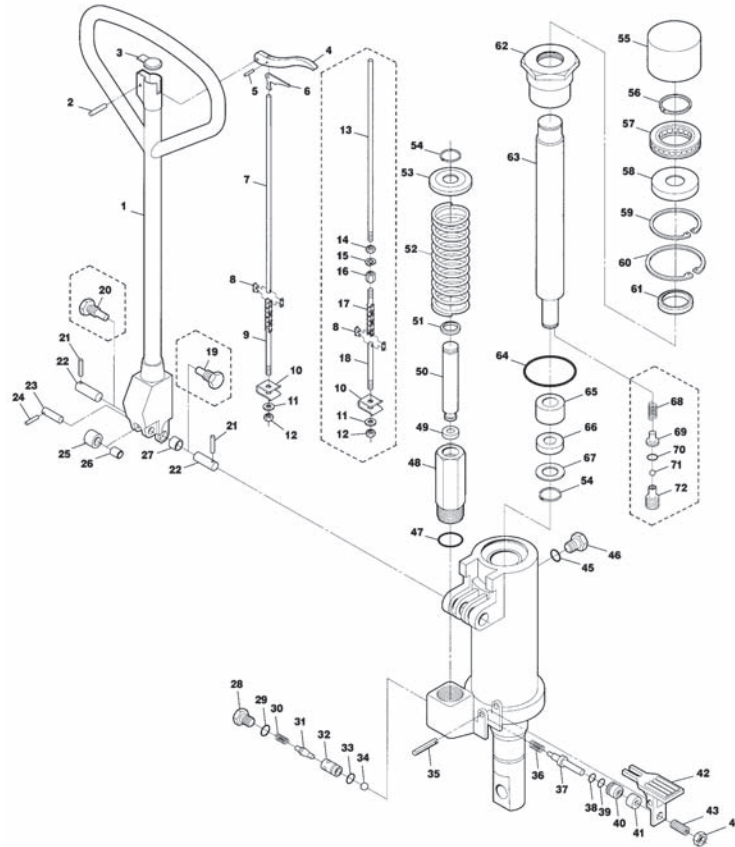
Bishamon BS-55 Frame



Bishamon BS-55 Frame

Item#	Part#	Description	Item#	Part#	Description
1	12007244	Lifting Link Shaft, 27" Wide Jack	32	12003293	Push Rod Axle
2	90980530	Roll Pin	33	90980540	Roll Pin
3	12003683	Bearing Cover	34	12003313	Pivot Axle
4	81251109	Traverse Bearing	35	12103433	Exit Roller
5	12013674	Traverse	36	02103304	Load Roller Bracket (Newer Style)
6	81940442	Bushing		02003304	Load Roller Bracket (Older Style) Replace W/ 02103304
7	12003693	Washer	37	12003333	Load Roller Axle
8	80845025	Snap Ring	40	85007098-A-D	Load Roller Assembly
9	80848009	Snap Ring		85007098-N-A	Load Roller Assembly
10	12103784	Pin		12061323-A-D	Load Roller Assembly
11	02103774	Steer Wheel Axle, Oldest Style		12061323-A	Load Roller Assembly
12	6005 ZZ	Bearing, 25mm ID		12061323-N-A	Load Roller Assembly
	81036205	Bearing (OEM Steer Wheel Only)	41	52008153	Bolt
13	12061733-A1-HD	Steer Wheel Assembly	42	52008143	Entry Roller
	12061733-A1-ST	Steer Wheel Assembly	43	90931508	Adjusting Nut
	12061733-S1	Steer Wheel Assembly	44	BU 25mm	Spacer
	12061733-A2-HD	Steer Wheel Assembly	45	BU 47mm	HC Hub Cap
	12061733-A2-ST	Steer Wheel Assembly	46	12003710-2	Axle, Newer Style
	85001753-A	Steer Wheel Assembly			
16	80845011	Snap Ring			
17	12003753	Hub Cap (Not Used On Aluminum Hub)			
18	90890512	Bolt and Washer (OEM Steer Wheel Only)			
19	12003710-1	Axle, Older Style			
20	90980845	Roll Pin			
21	81046204	Bearing, 20 mm ID			
	81036004	Bearing, 20 mm ID, (For OEM 2-3/4" Load Roller Only)			
	81026304	Bearing (For OEM Steer Wheel Only)			
22	52103690	Sleeve			
23	80846026	Snap Ring			
24	02108204	Lifting Link, 27" Wide Jack Special Order			
25	81920263	Bushing, 20-1/2" Wide Jack			
	81922283	Bushing, 27" Wide Jack (Newer Style)			
	81920283	Bushing, 27" Wide Jack			
26	81916201	Bushing			
27	12003703	Shoulder Pin			
28	81920243	Bushing			
29	80847015	Snap Ring			
30	02108264	Push Rod, 48" Forks (Newer Style)			
	02016263	Push Rod, 48" Forks (Older Style Special Order Serial #203001 to # 305004)			
31	81920241	Bushing			

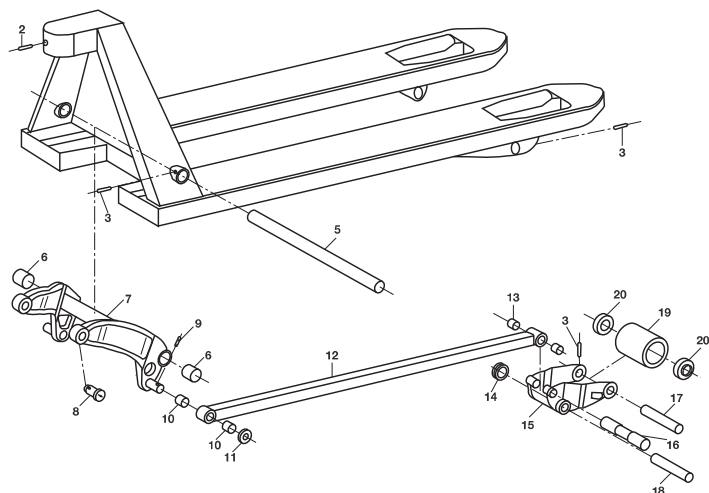
Bishamon BS-55 Hydraulic Unit



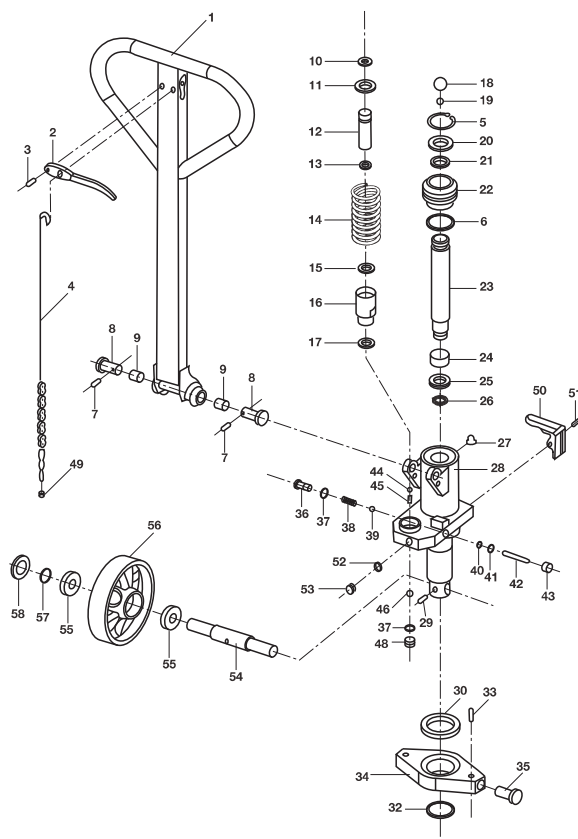
Bishamon BS-55 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	02103814	Handle Frame	40	12003503	Release Pin Guide
	02103804	Handle Assembly	41	52003513	Rubber Bushing
2	90980622	Roll Pin	42	12003513	Foot Pedal
3	52103804	Handle Cap	43	90962820	Set Screw
4	12003943	Control Lever	44	90930308	Nut
5	90980514	Roll Pin	45 A,B	80800260	O-Ring
6	12003953	Locking Lever	46	12003533	Filler Plug
7	12103964	Control Rod (Newer Style, Serial # 305005 and Higher)	47 A,B	80800023	O-Ring
8	80839000	Master Link	48	12003633	Pump Cylinder
9	02008474	Chain W/ Rod	49 A,B	52003643	U-Cup
10	52003983	Spring Clip	50	12003645	Piston
11	90930708	Washer	51 A,B	52003633	Scraper
12	90931508	Adjusting Nut	52	52103653	Spring
13	12103963	Control Rod (Old Style to Serial # 3055004)	53	12003653	Spring Cap
14	90930106	Nut	54	80848009	Snap Ring
15	90930506	Lock Washer	55	12003604	Bearing Cup
16	12003973	Nut	56	80845015	Snap Ring
17	80830004	Chain	57	81251205	Thrust Bearing
18	12003983	Lower Control Rod	58	12003593	Thrust Collar
19	12003913	Handle Bolt (Right Hand Thread)	59	80846031	Snap Ring
20	12003923	Handle Bolt (Left Hand Thread)	60	80846037	Snap Ring
21	90820530	Roll Pin	61 A,B	52103553	Scraper
22	12003914	Handle Pin	62	12103553	Top Nut
23	12003853	Pin	63	12049564	Ram
24	90980325	Roll Pin	64 A,B	80800128	O-Ring
25	12003843	Roller	65	12013574	Piston Bushing
26	81710121	Bushing	66 A,B	52013563	U-Cup
27	81916201	Bushing	67	12003583	Washer
28	12003463	Screw Plug	68	52103663	Spring
29	A,B 80800411	O-Ring	69	12103613	Ball Seat
30 A	52003493	Spring	70 A,B	80800006	O-Ring
31 A	12003473	Valve	71 A	80843015	Ball
32 A	12003483	Valve Seat	72	12103624	Relief Seat
33 A,B	80800005	O-Ring	KITS A	52103704-Super	Super Seal Kit
34 A,B	80843022	Ball	KITS B	52103704	Complete Seal Kit
35	90980835	Roll Pin	HU BI BS-55-0		Rebuilt Hydraulic Unit (Older Model) - Exchange
36 A	52003463	Spring	HU BI BS-55-1		Rebuilt Hydraulic Unit (Newer Model) - Exchange
37	12003493	Release Pin			
38 A,B	80800002	O-Ring			
39 A,B	80800010	O-Ring			

Blue Giant MT-50 Frame



Blue Giant MT-50 Hydraulic Unit



Blue Giant MT-50 Frame

Item#	Part#	Description
2	906-0100	Bolt
3	906-0076	Roll Pin
5	906-0074	Lifting Link Shaft, for 27" Jacks
6	906-0017	Bushing
7	906-0101	Lifting Link, for 27" Jacks
8	906-0046	Shoulder Pin
9	906-0042	Cotter Pin
10	906-0018	Bushing
11	906-0048	Washer
12	906-0085	Push Rod, for 48" Jacks
13	906-0022	Bushing
14	906-0004	Exit Roller
15	906-0095	Load Roller Bracket
16	906-0015	Push Rod Axle
17	906-0013	Load Roller Axle
18	906-0014	Pivot Axle
19	906-0023-D-A	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings

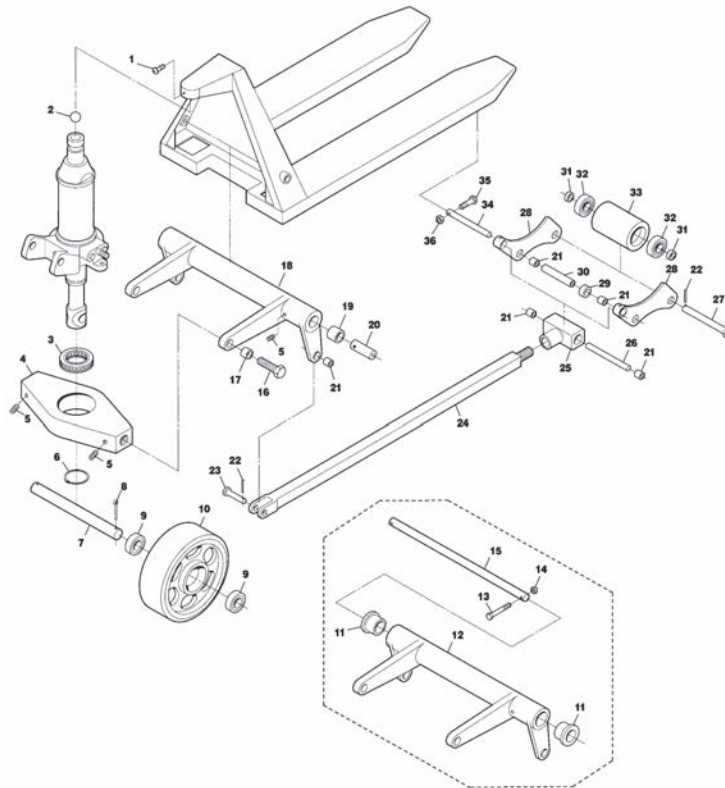
Item#	Part#	Description
19	906-0023-P-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings
19	906-0023-N-A	Load Roller Assembly, Nylon W/ Bearings
19	906-0023-S-A	Load Roller Assembly, Steel W/ Bearings
20	906-0041	Ball Bearing

Blue Giant MT-50 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
1	906-5006	Handle Assembly	18	018-523-99	Ball	38	906-0036	Valve Spring
2	904-0149	Release Lever	19	906-1000	Ball	39	906-0066	Ball
3	906-0012	Roll Pin	20 A	906-0005	Oil Scraper	40 A	906-0011	Quad Ring
4	904-0151-NEW	Control rod, complete w/chain	21 A	906-0003	O-Ring	41 A	906-0009	U-Cup
	904-0151-OLD	Control rod, complete w/chain (27 1/2" Rod, 35 1/4" Overall)	22	906-0058	Top Nut	42	906-0061	Release Pin
5	906-0025	Locking Ring	23	906-0081	Lifting Piston	43	906-0060	Valve Screw
6 A	906-0002	O-Ring	24	906-0000	Metal Bushing	44	906-0031	Ball
7	906-0039	Roll Pin	25 A	906-0051	U-Cup	45	906-0032	Valve Spring
8	906-0054	Handle Pin	26	906-0056	Snap Ring	46	906-0067	Ball
9	906-0057	Bushing	27	906-0037	Oil Plug	48	906-0033	Collar Screw - Short
10	906-0072	Circlip	28	906-0035	Pump Housing	49	906-0073	Adjusting Nut
11	906-0027	Washer	29	906-0071	Roll Pin	50	906-0080	Lowering Valve Arm
12	906-0065	Pump Piston	30	906-0089	Thrust Bearing	51	906-0008	Roll Pin
13 A	906-0026	U-Cup	32	906-0093	Circlip	52 A	906-0030	Copper Washer
14	906-0070	Spring	33	906-0049	Roll Pin	53	906-0029	Screw
15 A	906-0006	Oil Scraper	34	906-0097	Traverse	54	906-0077	Steer Wheel Axle
16	906-0059	Pump Cylinder	35	906-0046	Shoulder Pin	55	906-0075	Bearing
17 A	906-0007	Copper Washer	36	906-0062	Collar Screw - Long	56	906-0078-A-HD	Steer Wheel Assembly (red ultra poly on aluminum hub w/ bearings)
			37 A	906-0028	Copper Washer			

Item#	Part#	Description
906-0078-A-ST		Steer Wheel Assembly (black poly on nylon hub w/ bearings)
904-0154		Steer Wheel Assembly (nylon w/ bearings)
57	906-0019	Snap Ring
58	906-0055	Hub Cap
KITS A	906-0102	Complete Seal Kit
HU MT 50		Rebuilt Hydraulic Unit - Exchange

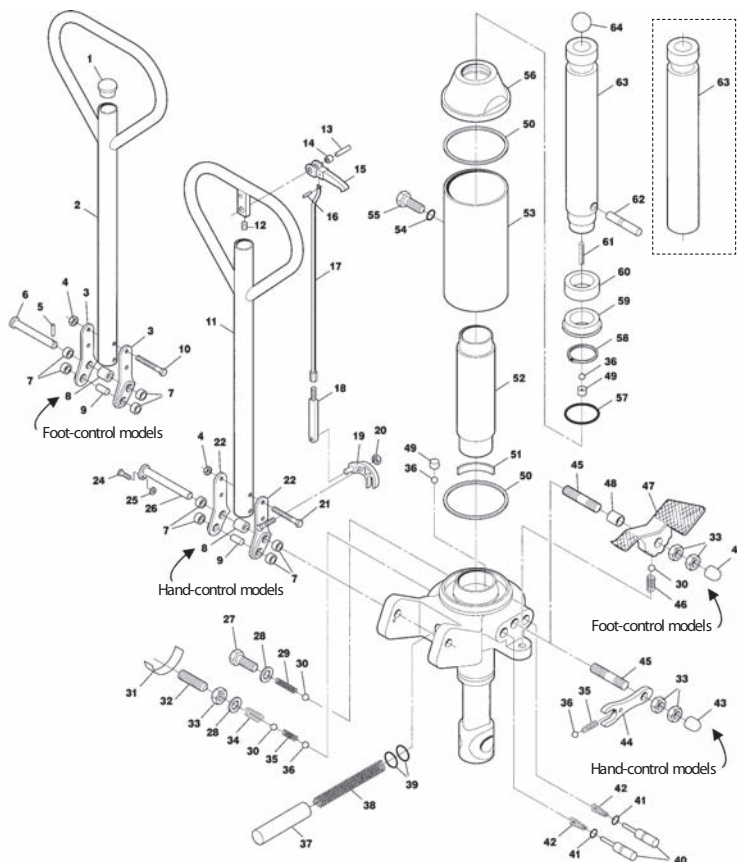
Blue Giant PT-50 and PT-55 Frame



Blue Giant PT-50 and PT-55 Frame

Item#	Part#	Description	Item#	Part#	Description
1	010-054	Screw	32	018-500	Bearing (OEM Wheel Only)
2	018-523	Ball	33	103-297-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 3" Dia. (PT-50)
3	018-516	Traverse Bearing		103-297-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 3" Dia. (PT-50)
4	780-185	Traverse Assembly		103-297-N-A	Load Roller Assembly, Nylon, 3" Dia. (PT-50)
5	014-016	Set Screw		103-160-A	Load Roller Assembly, Steel, 3" Dia. (PT-50)
6	013-039	Snap Ring		300-034-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 2-3/4" Dia. (PT-55)
7	107-200	Steer Wheel Axle		300-034-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 2-3/4" Dia. (PT-55)
8	013-025	Cotter Pin	34	106-169	Pivot Axle
9	018-557	Bearing	35	010-087	Screw
10	020-034-A-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings (PT-50)	36	011-545	Adjusting Nut
	020-034-A-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings (PT-50)			
	020-034-N-A	Steer Wheel Assembly, Nylon W/ Bearings (PT-50)			
	107-238-A	Steer Wheel Assembly, Steel W/ Bearings (PT-50)			
	300-027-A-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings (PT-55)			
	300-027-A-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings (PT-55)			
	300-027-N-A	Steer Wheel Assembly, Nylon W/ Bearings (PT-55)			
	107-238-A	Steer Wheel Assembly, Steel W/ Bearings (PT-55)			
11	018-013	Bushing (Flanged)			
12	805-842	Lifting Link, 27" Wide Jack			
13	010-053	Bolt			
14	011-552	Nut			
15	104-055	Lifting Link Shaft, 20-1/2" Wide Jack			
	104-057	Lifting Link Shaft, 27" Wide Jack			
16	010-064	Bolt			
17	018-007	Bushing			
18	811-074	Lifting Link, 27" Wide Jack			
19	018-071	Bushing			
20	110-046	Lifting Link Pin			
21	018-001	Bushing			
22	013-010	Roll Pin			
23	107-196	Pin			
24	789-127	Push Rod, 48" Forks (Fine Thread)			
25	790-426	Tee Clevis (Fine Thread)			
	796-083	Tee Clevis (Course Thread)			
26	106-172	Push Rod Axle			
27	106-170	Load Roller Axle			
28	805-604	Load Roller Bracket (Pair, Includes Item 21)			
29	104-054	Exit Roller			
30	108-330	Sleeve			
31	106-046	Split Ring			

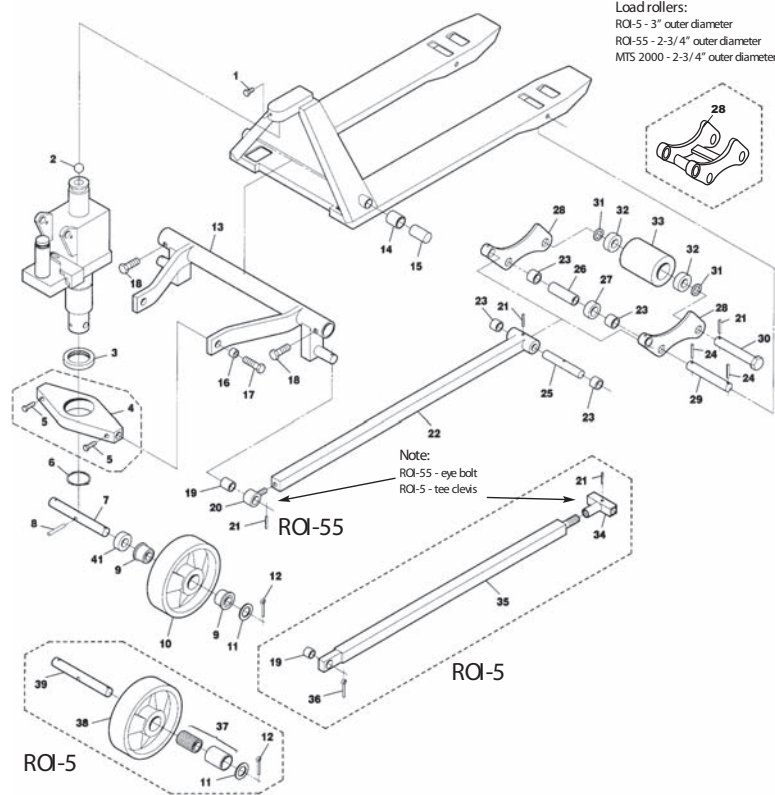
Blue Giant PT-50 and PT-55 Hydraulic Unit



Blue Giant PT-50 and PT-55 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	037-011	Handle Plug	39 ABC	036-043	O-Ring
2	796-463	Handle Frame	40 AB	797-489	Valve
3	805-622	Handle Bracket (Pair) Replaced by 805-621-M	41 ABC	036-035	O-Ring
	805-621-M	Handle Bracket, Single Piece Replacement	42 AB	104-066	Spring
4	011-552	Nut	43	037-017	Plastic Cover
5	013-010	Roll Pin	44	108-215	Pedal Plate
6	107-797	Handle Pin	45	104-072	Stud
7	018-001	Bushing	46 AB	104-060	Spring
8	108-314	Roller	47	797-490	Foot Pedal
9	108-319	Pin	48	018-075	Bushing
10	010-094	Bolt	49 AB	104-069	Ball Retainer
11	794-476	Handle Frame	50 ABC	106-566	Washer
12	014-016	Set Screw (Newer Style - Serial # 78109537 & Higher)	51	106-903	Magnetic Tape
	014-002	Set Screw (Older Style - Serial # 78109536 & Lower)	52	104-068	Sleeve (Older Style)
13	108-219	Pin		119-816	Sleeve (Newer Style)
14	108-222	Spacer	53	104-067	Reservoir Housing
15	108-216	Control Lever	54 ABC	107-781	O-Ring
16	104-063	Roll Pin	55	010-054	Screw
17	792-425	Control Rod	56	104-074	Top Nut
18	792-424	Lower Control Rod	57 ABC	036-042	O-Ring
19	108-217	Release Lever	58 AB	013-036	Snap Ring
20	011-569	Nut	59 ABC	036-038	U-Cup (Older Style)
21	010-082	Bolt	ABC	036-206	U-Cup (Newer Style)
22	805-621	Handle Bracket (Pair) Replaced by 805-621-M	60	104-071	Sleeve
	805-621-M	Handle Bracket, Single Piece Replacement	61 AB	104-063	Roll Pin
24	010-095	Screw	62 ABC	104-070	Pin
25	012-254	Shim	63	104-076	Ram (Older Style)
26	794-364	Handle Pin		119-817	Ram (Newer Style)
27	010-031	Screw Plug	64	018-523	Ball
28	AB 104-008	Washer	KITS A	805-603-SUPER	Super Seal Kit
29	AB 104-064	Spring	KITS B	805-603	Complete Seal Kit
30	ABC 105-734	Ball	KITS C	805-603-SLIM	Slim Seal Kit
31	A 036-069	Tape Seal, Roll		HU BG PT50-F	Rebuilt Hydraulic Unit, Foot Control Type, Model 50 / 55 - Exchange
32	014-046	Screw Plug		HU BG PT50-H	Rebuilt Hydraulic Unit, Hand Control Type, Model 50 / 55 - Exchange
33	011-520	Nut			
34 AB	104-006	Spring			
35 AB	104-065	Spring			
36 ABC	105-733	Ball			
37 A	103-315	Piston			
38 AB	104-021	Spring			

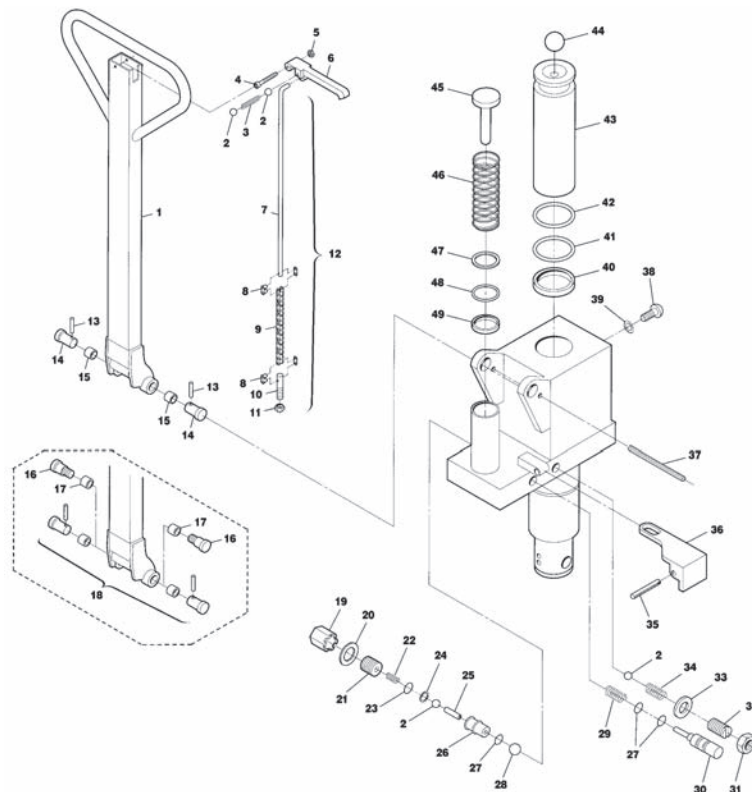
Blue Giant ROI-5, ROI-55 and MTS 2000 Frame



Blue Giant ROI-5, ROI-55 and MTS 2000 Frame

Item#	Part#	Description	Item#	Part#	Description
1	010-054	Screw	29	300-019	Pivot Axle
2	018-523	Ball	30	106-170	Load Roller Axle
3	018-516	Traverse Bearing	31	106-046	Split Ring
5	014-016	Set Screw	32	018-500	Bearing (OEM Wheel Only)
6	013-039	Snap Ring	33	300-000-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 3\" Dia. (ROI-5)
7	107-200	Steer Wheel Axle		300-000-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 3\" Dia. (ROI-5)
8	013-090	Roll Pin		300-000-N-A	Load Roller Assembly, Nylon W/ Bearings, 3\" Dia. (ROI-5)
9	018-587	Bearing (Flanged), 1\" ID		300-034-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 2-3/4\" Dia. (ROI-55)
10	300-027-A-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings (ROI-55)		300-030-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 2-3/4\" Dia. (MTS 2000)
	300-027-A-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings (ROI-55)		300-030-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 2-3/4\" Dia. (MTS 2000)
	300-027-N-A	Steer Wheel Assembly, Nylon W/ Bearings (ROI-55)	34	790-426	Tee Clevis (Fine Thread)
	300-040-A-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings (MTS 2000)	35	789-195	Push Rod, 48\" Forks, Replace W/ Items 20 and 22
	300-040-A-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings (MTS 2000)	36	013-025	Cotter Pin
	300-040-N-A	Steer Wheel Assembly, Nylon W/Bearings	37	111-077	Roller Bearing and Sleeve
11	111-141	Washer	38	111-078-N-A	Steer Wheel Assembly, Nylon
12	013-025	Cotter Pin	39	107-200	Steer Wheel Axle
13	782-319	Lifting Link, 27\" Wide Jack (ROI-55)	41	012-289	Spacer (MTS 2000)
	790-493	Lifting Link, 27\" Wide Jack (ROI-5)			
	782-320	Lifting Link, 20-1/2\" Wide Jack (MTS 2000)			
	782-319	Lifting Link, 27\" Wide Jack (MTS 2000)			
14	018-071	Bushing			
15	110-046	Lifting Link Pin			
16	018-007	Bushing - ROI-55			
	018-001	Bushing - ROI-5			
17	010-064	Bolt			
18	014-016	Set Screw			
	010-095	Screw			
19	018-001	Bushing			
20	782-321	Eye Bolt			
21	013-010	Roll Pin			
22	782-548	Push Rod, 48\" Forks			
23	018-001	Bushing			
24	013-066	Roll Pin			
25	106-172	Push Rod Axle			
26	108-330	Sleeve			
27	104-054	Exit Roller			
28	788-855	Load Roller Bracket (Pair) Includes Item 23 (ROI-55)			
	805-604	Load Roller Bracket (Pair) Includes Item 23 (ROI-5)			
	300-773	Load Roller Bracket, 1 Piece, Incl. Item 23			
Item#	Part#	Description			

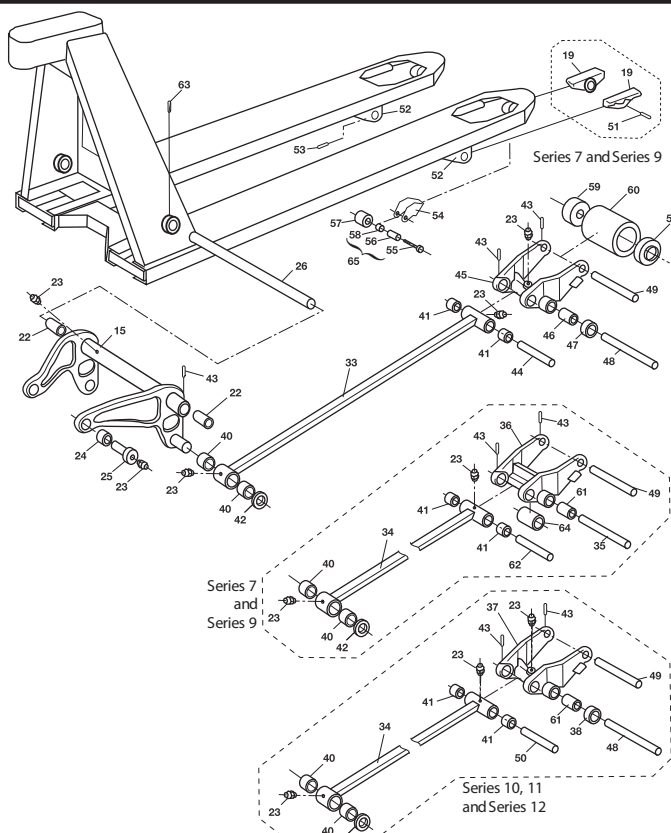
Blue Giant ROI-5, ROI-55 & MTS 2000 Hydraulic Unit



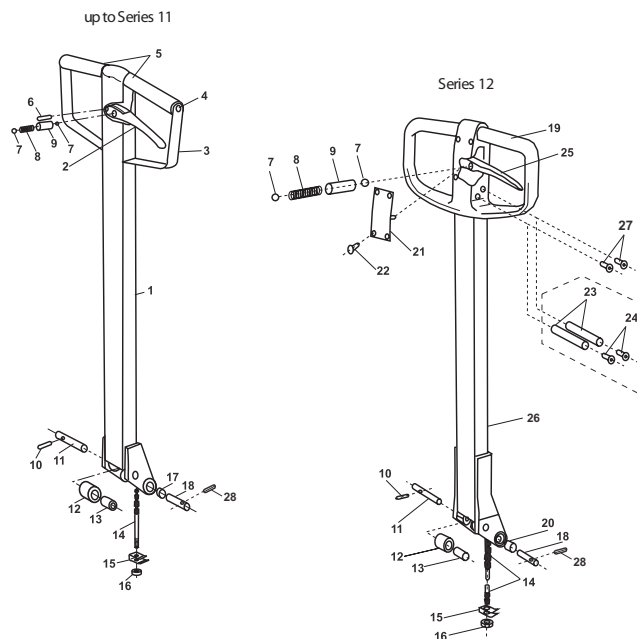
Blue Giant ROI-5, ROI-55 & MTS 2000 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	790-491	Handle Assembly (Includes Items 2 - 11 & 15)	41 A	111-010	O-Ring
2 A	105-733	Ball	42 A	036-125	O-Ring
3	111-038	Spring	43	111-022	Ram
4	011-094	Screw	44	018-523	Ball
5	011-565	Nut	45	790-483	Piston
6	111-039	Control Lever	46	111-023	Spring
7	111-041	Control Rod	47 A	036-095	Scraper
8	111-067	Master Link	48 A	036-096	O-Ring
9	111-042	Chain	49 A	036-097	U-Cup
10	111-107	Chain Connector	KITS A	810-456	Complete Seal Kit
11	011-545	Adjusting Nut		HU BG ROI 5/55	Rebuilt Hydraulic Unit - Exchange
12	790-488	Control Rod and Chain Assembly			
13	013-007	Roll Pin			
14	111-147	Handle Pin			
15	018-007	Bushing			
16	See Item 18	(See Note on Drawing)			
17	See Item 18	(See Note on Drawing)			
18	117-888	Handle Pin Conversion Assembly			
19	111-138	Cap Nut			
20 A	012-277	Washer			
21	111-137	Screw Plug			
22 A	111-086	Spring			
23 A	036-100	O-Ring			
24 A	017-036	Washer			
25 A	111-018	Roll Pin			
26 A	111-017	Valve			
27 A	036-035	O-Ring			
28 A	105-734	Ball			
29 A	111-085	Spring			
30 A	790-481	Valve			
31	011-519	Nut			
32	014-051	Screw Plug			
33 A	111-004	Washer			
34 A	111-140	Spring			
35	013-010	Roll Pin			
36	111-002	Foot Pedal			
37	013-090	Roll Pin			
38	010-054	Screw			
39 A	107-781	O-Ring			
40 A	036-099	U-Cup			

BT L 2000 and L 2300 Frame



BTL Series Handles



BT L 2000 and L 2300 Frame

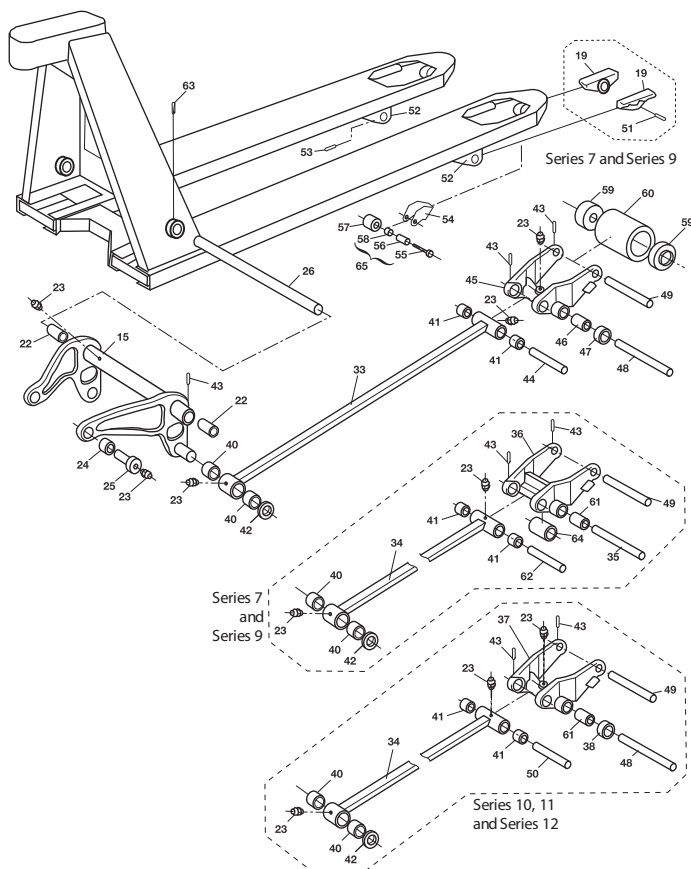
Item#	Part#	Description
15	64183	Lifting Link, 27" Wide Jack
19	119911	Ear-Weldment
47135		Ear-Weldment
22	47167	Bushing
23	20026	Grease Fitting (Threaded)
27662		Grease Fitting (Press-In)
24	30018	Bushing
25	127304	Shoulder Pin, Series 10
166701		Shoulder Pin, Series 11 and 12
26	47157	Lifting Link Shaft, 27" Wide Jack
33	48264	Push Rod, 48" Forks
34	109566-122	Push Rod, 48" Forks, Series 10
157213		Push Rod, 48" Forks, Series 11 and 12
35	109478	Pivot Axle
36	128539	Load Roller Bracket
37	130750	Load Roller Bracket, Series 10
149466		Load Roller Bracket, Series 11 and 12
38	65601	Exit Roller (Steel, 9.5 to 10mm Thick)
40	30023	Bushing
41	47117	Bushing
42	20013	Washer
43	20001	Roll Pin
44	47120	Push Rod Axle
45	47137	Load Roller Bracket
46	30024	Bushing
47	58027	Exit Roller (Steel, 11.5 to 12mm Thick)
48	47134	Pivot Axle
49	111257	Load Roller Axle
50	126131	Push Rod Axle
51	27921	Roll Pin
52	47135	See Item 19 part no.119911
53	20014	See Item 51 part no.27921
54	47110	Entry Roller Bracket
55	21385	Bolt
56	47151	Sleeve
57	47150	Entry Roller
58	20433	Nut
59	167630	Bearing, 47 mm OD (Newer Style)
22053		Bearing, Older Style Wheel

Item#	Part#	Description
60	167605-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 3-1/4" Dia.
	167605	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 3-1/4" Dia.
	167602	Load Roller Assembly, Nylon W/ Bearings, 3-1/4" Dia.
	167601	Load Roller Assembly, Steel W/ Bearings
	GWK-BTL-LW	Load Wheel Kit, (L 2000 & L 2300) 2 Load Roller Assy W/ Bearings, Axles and Fasteners
61	51805	Bushing
62	110777	Push Rod Axle
63	22128	Roll Pin
64	105369	Exit Roller (Nylon)
65	21385-A	Axle Assembly
	60056	Brake Cable Assembly (up to Series 10)
	150785	Brake Cable Assembly (Series 11)
	177113	Brake Cable Assembly (Series 12)
	109305	Brake Wheel, Poly On Steel

BTL Series Handles

Item#	Part#	Description	Item#	Part#	Description
1	17470	Handle Assembly (includes items 1 through 14)	18	47931	Handle Pin
2	47083	Control Lever	19	173752	Handle Loop (option to replace w/item#1)
3	47082	Clamp	20	176827	Bushing
4	24470	Screw	21	173753	Cap
5	47074	Handle Grip	22	177154	Screw
6	20105	Roll Pin	23	176838	Sleeve
7	22757	Ball	24	176914	Screw
8	47089	Spring	25	173754	Control Lever
9	54140	Sleeve	26	175753	Handle Assembly (option to replace w/item#1)
10	20461	Roll Pin	27	173764	Plastic Plug
11	47930	Pin	28	20071	Roll Pin
12	47929	Roller			
13	22108	Bushing			
14	17469	Control Rod and Chain Assembly			
	17469-A	Master Link			
	17469-B	Chain			
	17469-C	Pin			
15	42631	Spring Clip			
16	21094	Adjusting Nut			
17	22107	Bushing			

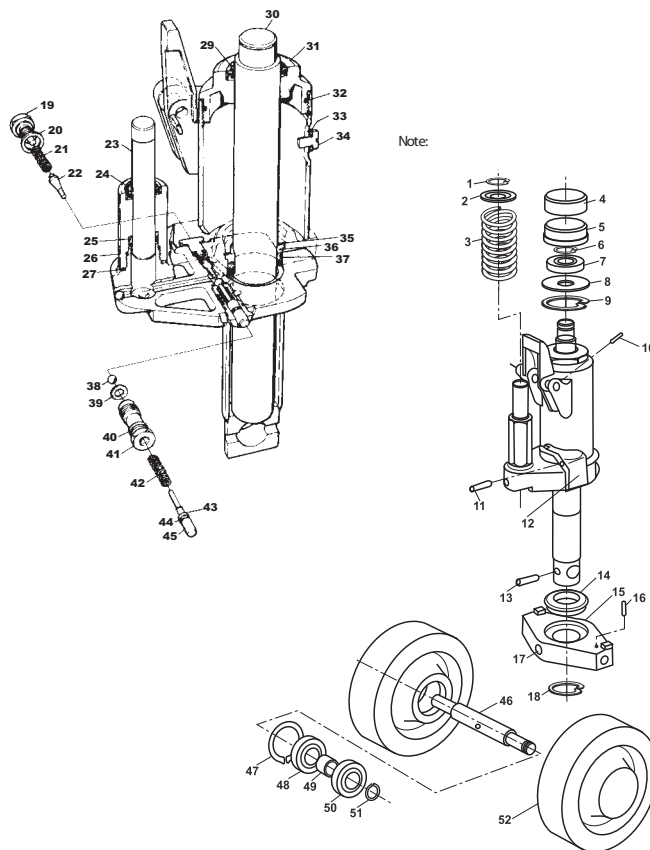
BT L 2000-U and L 2300-U Frame



BT L 2000-U and L 2300-U Frame

Item#	Part#	Description	Item#	Part#	Description
15	64183	Lifting Link, 27" Wide Jack	167609		Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 2.9" Dia.
19	119911	Ear-Weldment	167600		Load Roller Assembly, Nylon W/ Bearings, 2.9" Dia.
	47135	Ear-Weldment	15881		Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 2.9" Dia.
22	47167	Bushing			Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 2.9" Dia. Wet Application
23	20026	Grease Fitting (Threaded)	15881-D-WA		Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 2.9" Dia., Wet Application
	27662	Grease Fitting (Press-In)	55002-A		Load Roller Assy - 2.9" Diameter, Steel
24	30018	Bushing	GWK-BTU-LW		Load Wheel Kit, (L 2000-U & L 2300-U) 2 Load Roller Assy W/ Bearings, Axles and Fasteners
25	127304	Shoulder Pin, Series 10	61	51805	Bushing
	166701	Shoulder Pin, Series 11 and 12	62	110777	Push Rod Axle
26	47157	Lifting Link Shaft, 27" Wide Jack	63	22128	Roll Pin
33	48264	Push Rod, 48" Forks	64	105369	Exit Roller (Nylon)
34	109566-122	Push Rod, 48" Forks, Series 10	65	21385-A	Axle Assembly
	157213	Push Rod, 48" Forks, Series 11 and 12			Brake Cable Assembly (up to Series 10)
35	109478	Pivot Axle			Brake Cable Assembly (Series 11)
36	128539	Load Roller Bracket			Brake Cable Assembly (Series 12)
37	130750	Load Roller Bracket, Series 10			Brake Wheel, Poly On Steel
	149466	Load Roller Bracket, Series 11 and 12			
38	65601	Exit Roller (Steel, 9.5 to 10mm Thick)			
40	30023	Bushing			
41	47117	Bushing			
42	20013	Washer			
43	20001	Roll Pin			
44	47120	Push Rod Axle			
45	47137	Load Roller Bracket			
46	30024	Bushing			
47	58027	Exit Roller (Steel, 11.5 to 12mm Thick)			
48	47134	Pivot Axle			
49	111257	Load Roller Axle			
50	126131	Push Rod Axle			
51	27921	Roll Pin			
52	47135	See Item 19 part no.119911			
53	20014	See Item 51 part no.27921			
54	47110	Entry Roller Bracket			
55	21385	Bolt			
56	47151	Sleeve			
57	47150	Entry Roller			
58	20433	Nut			
59	167630	Bearing, 47 mm OD (Newer Style)			
	22053	Bearing, Older Style Wheel			
60	167609-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 2.9" Dia.			

BT L 2000, L 2300, L 2000-U and L 2300-U Hydraulic Unit



Note:

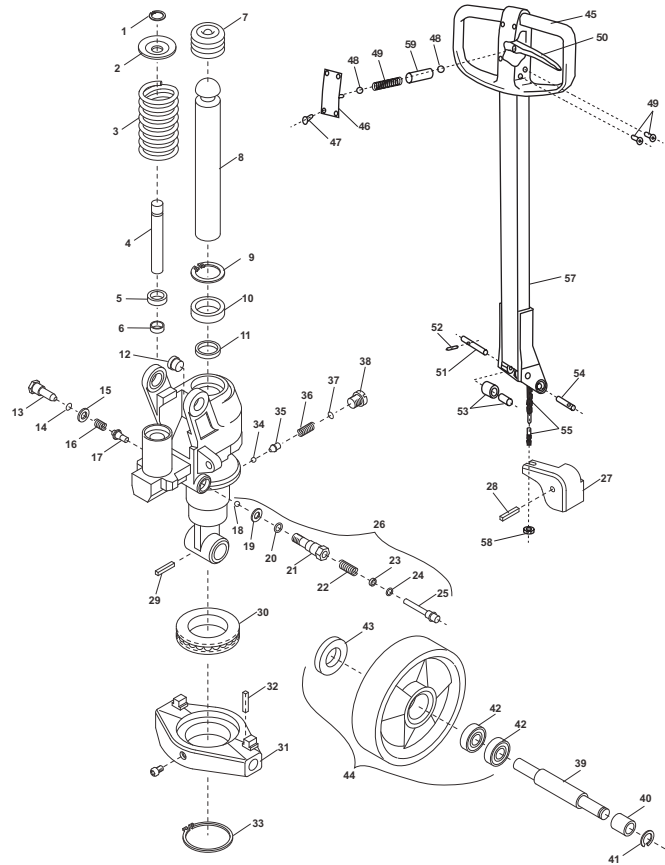
BT L 2000, L 2300, L 2000-U and L 2300-U Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	20043	Snap Ring	39 ABCF	47050	Washer
2	47450	Washer	40 ABCF	22032	O-Ring
3	65245	Spring	41 A	129209	Release Pin Guide
4	47997	Insert	42 A B	47071	Spring
5	47996	Bearing Cap, Steel	43 A B	49513	Spring Guide
	164675	Bearing Cap (Series 12), Nylon	44 ABCF	22318	Scraper
6	20041	Snap Ring	45 A B	47051	Release Pin
7	20018	Bearing	46	47144	Steer Wheel Axle
8	47995	Washer	47	20923	Snap Ring
9	20076	Snap Ring	48	22123	Bearing
10	20071	Roll Pin	49	47149	Spacer
11 A B	20104	Roll Pin	50	20332	Bearing
12	47070	Release Lever	51	20019	Snap Ring
13	20868	Roll Pin	52	160422-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 7" Dia., Open Hub
14	22052	Traverse Bearing		160422-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings, 7" Dia., Open Hub
15	47092	Traverse		160421	Steer Wheel Assembly, Nylon W/ Bearings, 7" Dia., Open Hub
16	20001	Roll Pin		160433	Steer Wheel Assembly, Steel W/ Bearings, 7" Dia., Open Hub
17	20026	Grease Fitting (Threaded)		126968-A-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 7" Dia., Open Hub
18	20011	Snap Ring		126968-A-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings, 7" Dia., Open Hub
19	43713	Screw Plug		102667-A	Steer Wheel Assembly, Steel W/ Bearings, 7" Dia., Open Hub
20 ABCF	37218	Washer		GWK-BTL-CK	Complete Wheel Kit
21 A B	39106	Spring		102665-A	Steer Wheel Assembly, Nylon W/ Bearings, 7" Dia., Closed Hub
22 A B	47049	Valve	KITS A	129883-SUPER	Super Seal Kit
23	47043	Piston	KITS B	129883	Complete Seal Kit
	130168	Piston (Series 10, 11 and 12)	KITS C	129883-SLIM	Slim Seal Kit
24 ABCD	21060	Scraper	KITS D	130784	Pump Cylinder Kit
25 ABCD	21065	U-Cup (Series 10)	KITS D	22306	Pump Cylinder Kit
ABCD	22033	U-Cup	KITS E	129881	Lift Cylinder Kit
26	47042	Pump Cylinder	KITS F	129882	Valve Packing Kit
27 ABCD	47044	Washer		HU BTL 2000	Rebuilt Hydraulic Unit - Exchange
29 ABCE	20066	Scraper			
30	47985	Ram			
31	47037	Top Nut			
32 ABCE	21024	O-Ring			
33 ABCE	21742	Washer			
34	20345	Filler Plug			
35 A B	20101	Snap Ring			
36 A B	47039	Bushing			
37 ABCE	22034	U-Cup			
38 ABCF	20065	Ball			

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Item#	Part#	Description	Item#	Part#	Description
14	22128	Roll Pin	66	27662	Lube Fitting, (Press-In)
15	64183	Lifting Link, 27" Wide Jack	67	21385-A	Entry Roller Assembly
19	47135	Ear-Weldment		60056	Brake Cable Assembly (up to Series 10)
22	47167	Bushing		150785	Brake Cable Assembly (Series 11)
23	27662	Grease Fitting (Press-In)		177113	Brake Cable Assembly (Series 12)
24	30018	Bushing		109305	Brake Wheel, Poly On Steel
25	166701	Shoulder Pin			
26	47157	Lifting Link, 27" Wide Jack			
33	157213	Push Rods, 48 Forks			
40	51805	Bushing			
41	47117	Bushing			
42	20013	Washer			
43	20001	Roll Pin			
44	126131	Push Rod Axle			
45	149466	Load Roller Bracket			
46	51805	Bushing			
47	66367	Exit Roller			
48	47134	Pivot Axle			
49	47133	Load Roller Axle			
51	27921	Roll Pin			
54	47110	Entry Roller Bracket			
55	21385	Bolt			
56	47151	Sleeve			
57	47150	Entry Roller			
58	20433	Nut			
59	167630	Bearing, 47 mm OD (Newer Style)			
60	167609-D	Load Roller Assembly, red ultra poly on aluminum hub w/bearings, 2.9" Dia.			
	167609	Load Roller Assembly, black ultra poly on steel hub w/bearings, 2.9" Dia.			
60	167600	Load Roller Assembly, nylon w/bearings, 2.9" Dia.			
	15881	Load Roller Assembly, black ultra poly on steel hub w/bearings, 2.9" Dia.			
	15881-D-WA	Load Roller Assembly, red ultra poly on aluminum w/bearings, 2.9" Dia. Wet Application			
	15881-WA	Load Roller Assembly, black ultra poly on steel hub w/bearings, 2.9" Dia. Wet Application			
	55002-A	Load Roller Assy - 2.9" Diameter, Steel			
	GWK-BTL-CK	Complete Wheel Kit, 2 load roller assy, 2 steer wheel assy w/bearings, axles and fasteners			
	GWK-BTL-LW	Load Wheel Kit, (L 2000-U & L 2300-U) 2 load roller assy w/bearings, axles and fasteners			
61	179206	Tandem Load Roller Bracket			
62	20001	Roll Pin			
63	47162	Load Roller Axle, Tandem			
64	167612	Load Roller Assembly, Tandem Black Ultra Poly On Steel			
65	167630	Bearing			

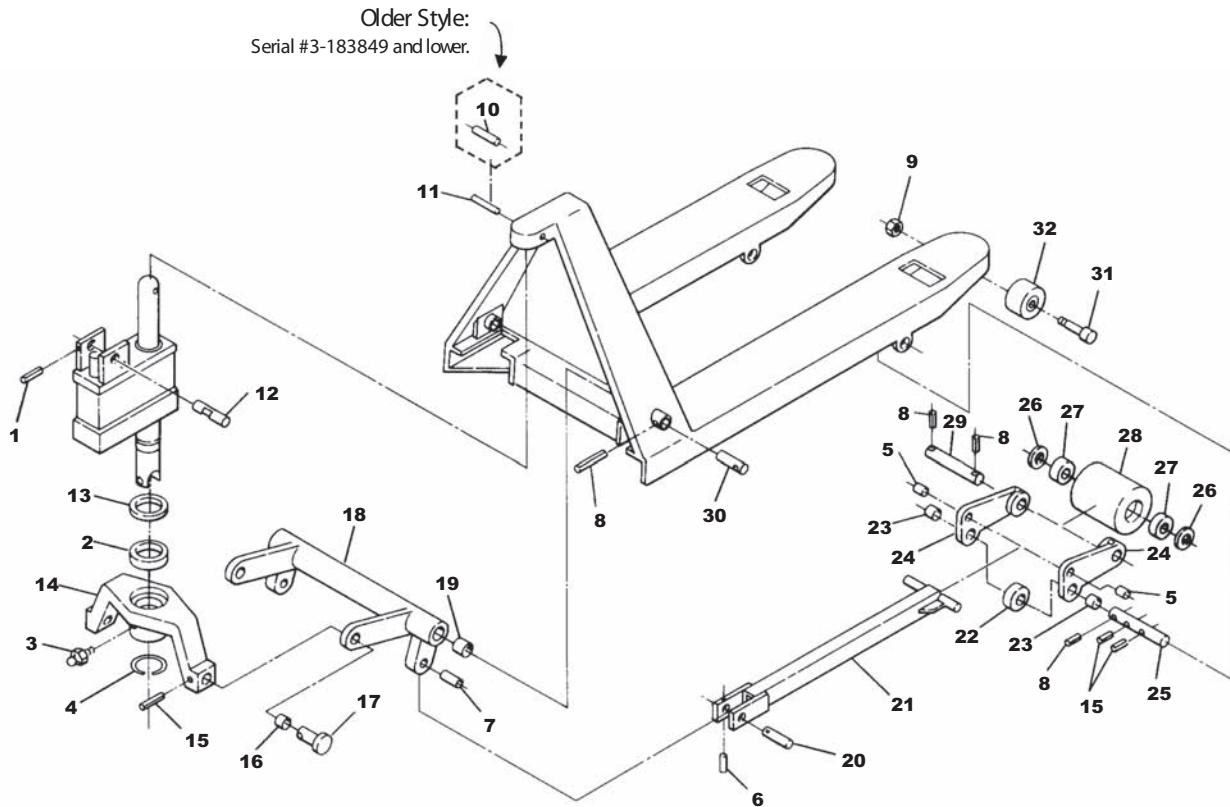
BT LHM 230 Hydraulic Unit



BT LHM 230 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	20043	Snap Ring	41	20019	Lock Ring
2	215282	Washer	42	210062	Bearing
3	215156	Spring	43	156623	Dust Cover
4	215286	Piston	44	160422-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 7" Dia., Open Hub
5 A B	21060	Scraper		160422-ST	Steer Wheel Assy, Black Poly On Nylon Hub W/ Bearings, 7" Dia., Open Hub
6 A B	215866	U-Cup		160421	Steer Wheel Assembly, Black Nylon Hub W/ Bearings, 7" Dia., Open Hub
7	215803	Sleeve		160433	Steer Wheel Assembly, Steel W/ Bearings, 7" Dia.
8	215030	Piston		GWK-BTL-CK	Complete Wheel Kit, 2 load Roller Assy, 2 steer wheel assy w/bearings, axles and fasteners
9 A B	20642	Lock Ring	45	173752	Handle Loop
10 A B	20066	Scraper	46	173753	Cover
11 A B	215867	U-Cup	47	177154	Screw
12	215913	Bushing	48	20065	Ball
13	221586	Screw	49	218182	Plastic Plug
14	24213	O-Ring	50	173754	Handle Lever
15 A B	219201	Washer	51	47930	Axle
16 A B	39106	Spring	52	20461	Roller Pin
17 A B	223935	Valve Cone	53	202755	Roller / Bushing
18 A B	20065	Ball	54	227911	Axle
19 A B	215288	Washer	55	215775	Control Rod and Chain Assembly
20 A B	22032	O-Ring	57	215131	Complete Handle Assembly
21 A	223977	Valve Body	58	21094	Adjusting Nut
22 A B	47071	Spring	59	54140	Sleeve
23 A B	49513	Guide	KITS A	129883	Seal Kit
24 A B	22318	Scraper	KITS B	129883-Super	Super Seal Kit
25 A B	47051	Release Pin			
26	215776	Lowering Valve-Complete			
27	215128	Lowering Arm			
28 A B	220312	Roll Pin			
29	220312	Roll Pin			
30	228275	Ball Bearing			
31	215092	Traverse			
32	20001	Roll Pin			
33	228129	Lock Ring			
34	22055	Ball			
35	221231	Guide Pin			
36	221227	Spring			
37 A B	22032	O-Ring			
38	223922	Screw			
39	220310	Steer Wheel Axle			
40	161637	Spacer			

Crown PTH Frame

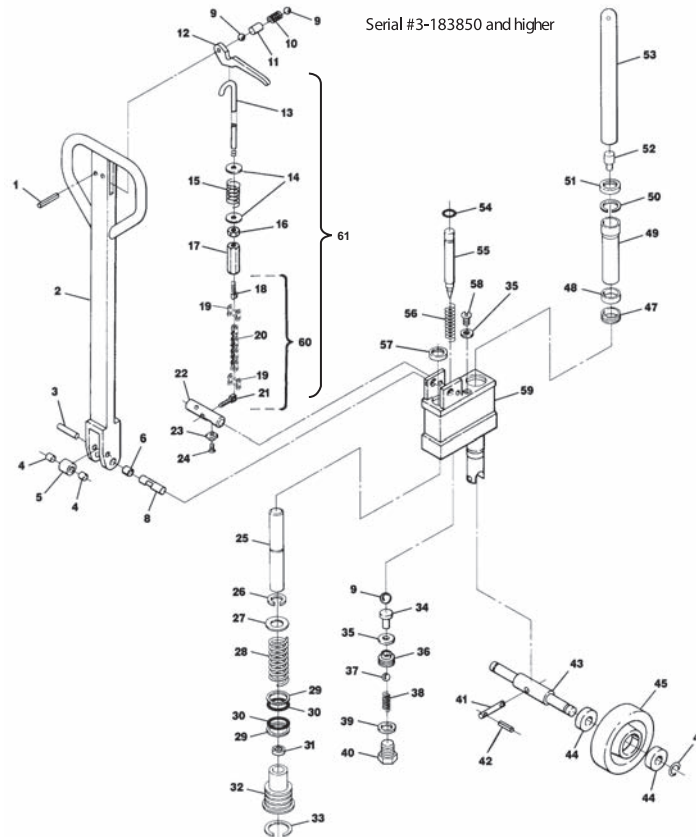


Crown PTH Frame

Item#	Part#	Description
1	50000-015	Roll Pin
2	55018-001	Traverse Bearing
3	54011-001	Lube Fitting
4	50012-024	Snap Ring
5	41201	Bushing
6	50000-016	Roll Pin
7	41139	Bushing
8	50000-017	Roll Pin
9	50008-025	Nut
10	50000-034	Roll Pin
11	50000-036	Roll Pin
12	41252	Handle Axle
13	79850	Washer
14	41249	Traverse Special Order
15	50000-012	Roll Pin
16	41138	Bushing
17	41149	Shoulder Pin
18	41129-002	Lifting Link, 27" Wide Jack Special Order
19	41137	Bushing
20	41148	Pin
21	41141-002	Push Rod, 36" Forks Special Order
	41141-004	Push Rod, 42" Forks Special Order
	41141-006	Push Rod, 48" Forks
22	41127	Exit Roller
23	55007-001	Bushing
24	41241	Load Roller Bracket (Pair) (Incl. Items 5 and 23)
25	41126	Pivot Axle
26	41203	Washer
27	65081-020	Bearing
28	82283-1-D	Load Roller Assy, Red Ultra Poly On Aluminum Hub W/ Bearings
	82283-1	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings
	82283-2	Load Roller Assembly, Nylon W/ Bearings
	82283-3	Load Roller Assy, Steel W/ Bearings
	GWK-PTH-LW	Load Wheel Kit, (2) Load Roller Assy W/ Bearings, Axles and Fasteners
	GWK-PTH-CK	Complete Wheel Kit, 2 load roller assy, 2 steer wheel assy w/bearings, axles and fasteners
29	41202	Load Roller Axle
30	41140	Lifting Link Pin
31	50007-021	Bolt
32	82203	Entry Roller
KITS	CR RPK	Roll Pin Kit

Item#	Part#	Description
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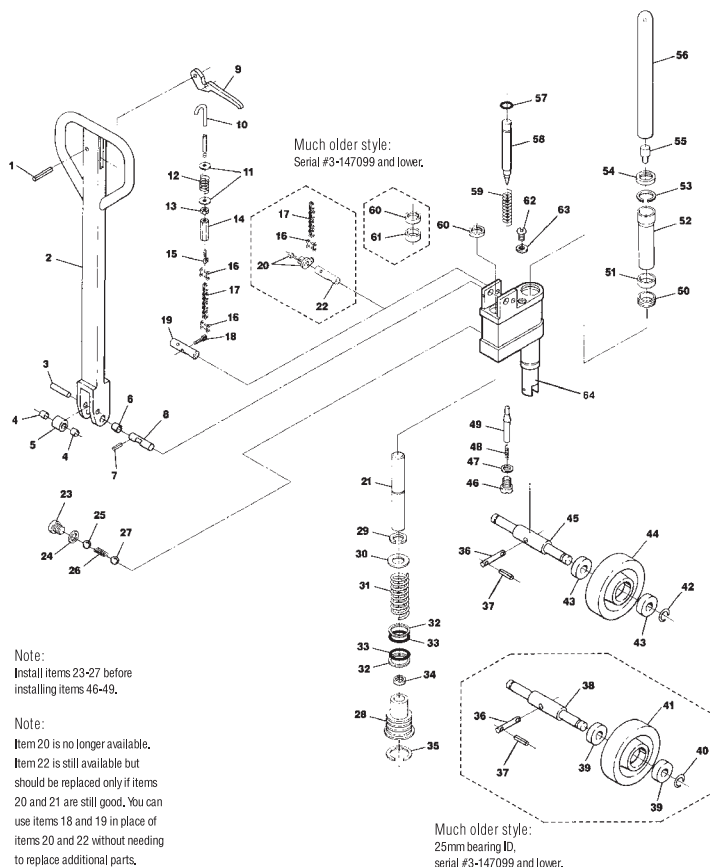
Crown Later PTH Hydraulic Unit



Crown Later PTH Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	50000-012	Roll Pin	41	41195	Pin
2	41293	Handle Assembly, (Incl. Items 1-6 and 9-17)	42	50000-001	Roll Pin
3	41191	Roller Axle	43	41270	Steer Wheel Axle
4	55017-002	Roller Bearing	44	65081-020	Bearing
5	41192	Roller	45	41275-1-HD	Steer Wheel Assembly, red ultra poly on aluminum hub w/bearings, 20 mm Bearing ID
6	41194	Bushing		41275-1-ST	Steer Wheel Assy, Black Poly On Nylon Hub W/ Bearings, 20 mm Bearing ID
8	41252	Handle Axle		41275-2	Steer Wheel Assembly, Nylon W/ Bearings, 20 mm Bearing ID
9 A B	55001-007	Ball		41275-3 Steer	Wheel Assembly, Steel W/ Bearings, 20 mm Bearing ID
10	41292	Spring		GWK-PTH-CK	Complete Wheel Kit, 2 load roller assy, 2 steer wheel assy w/bearings, axles and fasteners
11	41326	Sleeve	46	50012-021	Snap Ring
12	41325	Control Lever	47 A B	41166	Bushing
13	41295	Control Rod	48 A B	54015-001	U-Cup
14	41193	Washer	49	41165	Bushing
15	79918	Spring	50 A	50012-025	Snap Ring
16	50008-008	Nut	51 A B	54001-008	Scraper
17	41190	Adjusting Nut	52	41254	Magnet and Sleeve Assembly
18	41180	Chain Connector	53	41163	Ram Assembly (Incl Item 52)
19	79905	Master Link	54 A B	54002-011	O-Ring
20	79904	Chain	55	41284	Release Pin
21	41272	Chain Connector	56 A B	79915	Spring
22	41302	Pin	57 A B	54001-002	Scraper
23 A	41303	Actuating Plate	58 A	41181	Filler Plug
24 A	50003-012	Screw	59	HU CR PTH-1PC	Rebuilt Hydraulic Unit - Exchange
25 A	41996	Piston	60	79904-A	Chain Assembly (Incl Item 18 - 21)
	41999	Piston and Cylinder Assy (Includes Items 25,29,30,31,32)	61	41295-A	Pull Rod Chain Assy (Includes Items 13-21)
26 A	50012-021	Snap Ring	KITS A	43023-SUPER	Super Seal Kit
27	41170	Washer	KITS B	43023	Seal Kit
28	79908	Spring			
29 A B	64074-005	Back-Up Ring			
30 A B	54002-012	O-Ring			
31 A B	54015-004	U-Cup			
32	41995	Pump Cylinder			
33 A	50012-026	Snap Ring			
34 A B	41286	Tappet			
35 A B	50011-010	Washer			
36 A B	41289	Ball Housing			
37 A B	55001-002	Ball			
38 A B	41288	Spring			
39 A B	50011-020	Washer			
40 A	41301	Screw Plug			

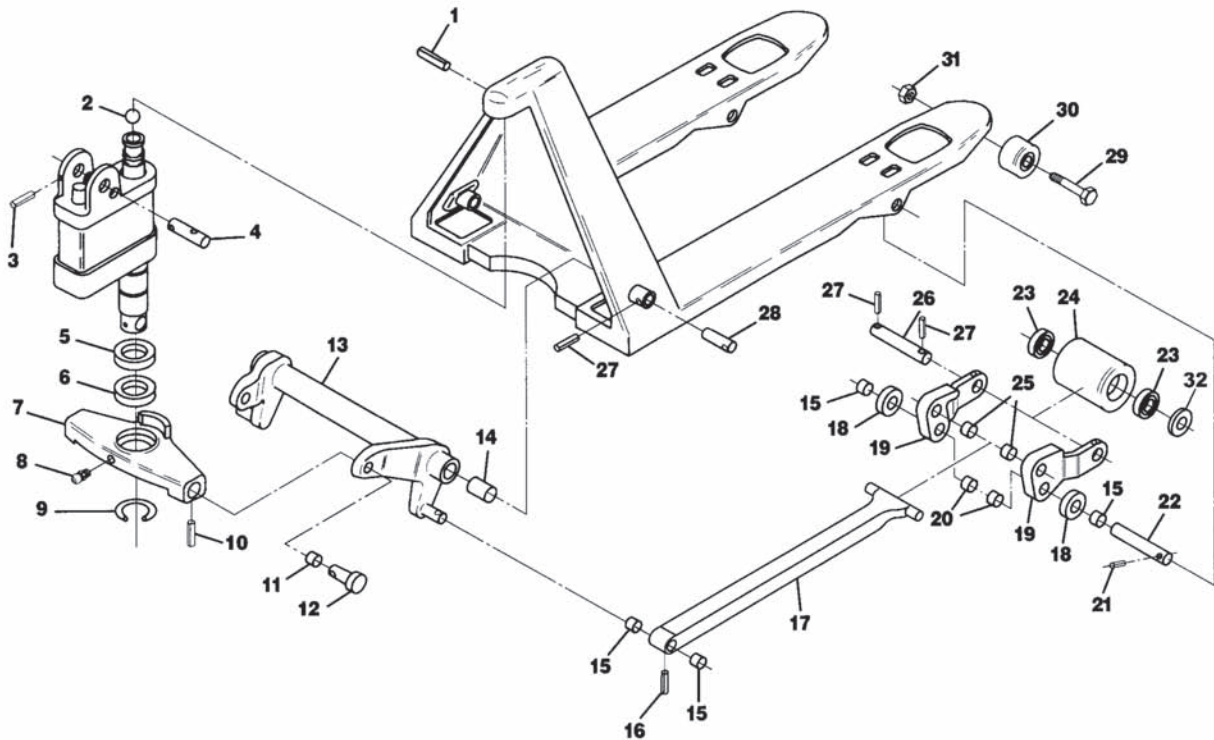
Crown Older PTH Hydraulic Unit



Crown Older PTH Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	50000-012	Roll Pin	40	50012-022	Snap Ring
2	41182	Handle Assy, (Incl. Items 1-6 and 9-14)	41	82274-1-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 25 mm Bearing ID
3	41191	Roller Axle	41	82274-1-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings, 25 mm Bearing ID
4	55017-002	Roller Bearing	82274-2		Steer Wheel Assembly, Nylon W/ Bearings, 25 mm Bearing ID
5	41192	Roller	82274-3		Steer Wheel Assembly, Steel W/ Bearings, 25 mm Bearing ID
6	41194	Bushing	42	50012-021	Snap Ring
7	50000-015	Roll Pin	43	65081-020	Bearing
8	41252	Handle Axle	44	41275-1-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 20 mm Bearing ID
9	79873	Control Lever	41275-1-ST		Steer Wheel Assy, Black Poly On Nylon Hub W/ Bearings, 20 mm Bearing ID
10	41189	Control Rod	41275-2		Steer Wheel Assembly, Nylon W/Bearings, 20 mm Bearing ID
11	41193	Washer	41275-3		Steer Wheel Assembly, Steel W/ Bearings, 20 mm Bearing ID
12	79918	Spring		GWK-PTH-CK	Complete Wheel Kit, 2 Load Roller Assy 2 steer wheel assembly w/bearings, axles and fasteners
13	50008-008	Nut	45	41270	Steer Wheel Axle
14	41190	Adjusting Nut	46 A	41172	Screw Plug
15	41180	Chain Connector	47 A B	50011-015	Washer
16	79905	Master Link	48 A B	79913	Spring
17	79904	Chain	49 A B	41174	Valve
18	41272	Chain Connector	50 A B	41166	Bushing
19	41271	Pin	51 A B	54015-001	U-Cup
20	-	Replace W/ Items 18 & 19	52	41165	Bushing
21 A	41996	Piston	53 A	50012-025	Snap Ring
	41999	Piston and Cylinder Assembly (Includes Items 25,29,30,31,32)	54 A B	54001-008	Scraper
22	41176	Pin	55	41254	Magnet and Sleeve Assembly
23 A	41171	Screw Plug	56	41163	Ram Assembly (Incl Item 55)
24 A B	50011-018	Washer	57 A B	54002-011	O-Ring
25 A B	65002-005	Ball	58	41175	Release Pin
26 A B	79914	Spring	59 A B	79915	Spring
27 A B	65002-007	Ball	60 A B	54001-002	Scraper
28	41995	Pump Cylinder	61	41162	Bushing
29 A	50012-021	Snap Ring	62 A	41181	Filler Plug
30	41170	Washer	63 A B	50011-011	Washer
31	79908	Spring	64	HU CR PTH-2PC	Rebuilt Hydraulic Unit - Exchange (Serial # 3-118400 to #3-183849)
32 A B	64074-005	Back-Up Ring	KITS A	41246-SUPER	Super Seal Kit
33 A B	54002-012	O-Ring	KITS B	41246	Seal Kit
34 A B	54015-004	U-Cup			
35 A	50012-026	Snap Ring			
36	41195	Pin			
37	50000-001	Roll Pin			
38	41197	Steer Wheel Axle			
39	65081-021	Bearing			

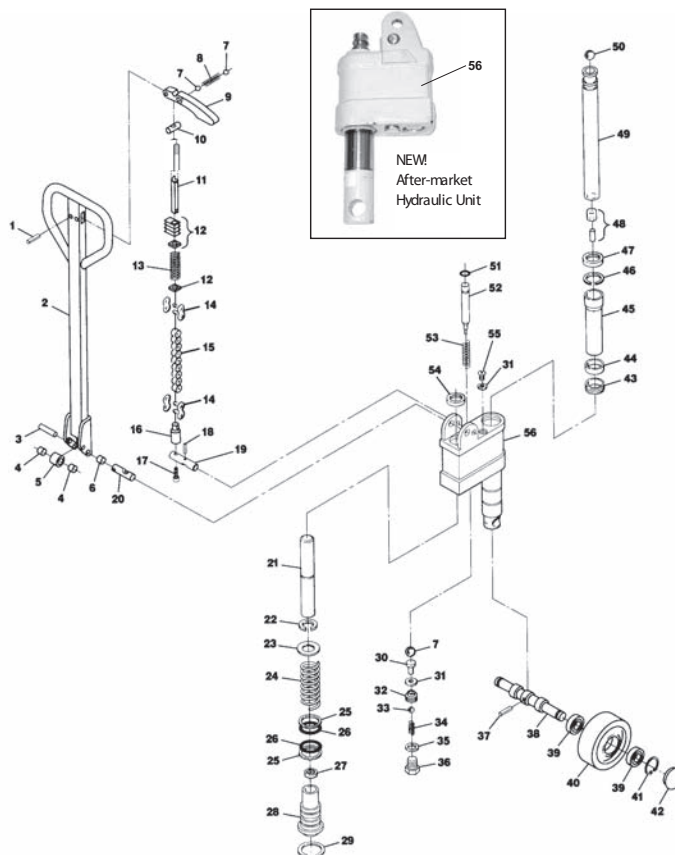
Crown PTH50 Frame



Crown PTH50 Frame

Item#	Part#	Description	Item#	Part#	Description
1	50000-014	Roll Pin	32	44516	Washer
2	55001-010	Ball	KITS	RPK50	Roll Pin Kit
3	50000-015	Roll Pin			
4	44519	Handle Axle			
5	44468	Washer			
6	55018-001	Traverse Bearing			
7	44466	Traverse			
8	54011-001	Lube Fitting			
9	50012-024	Snap Ring			
10	50000-010	Roll Pin			
11	41201	Bushing			
12	44467	Pin			
13	44472	Lifting Link, 20" Wide Jack Special Order			
	44473	Lifting Link, 27" Wide Jack			
14	55084-002	Bushing			
15	42053-011	Bushing			
16	50000-016	Roll Pin			
17	44488-002	Push Rod, 36" Forks			
	44488-004	Push Rod, 42" Forks Special Order			
	44488-006	Push Rod, 48" Forks (Incl Item 15)			
18	44777	Exit Roller			
19	44501	Load Roller Bracket (Pair) (Incl Item 20 & 25)			
20	42053-012	Bushing			
21	50000-011	Roll Pin			
22	44464	Pivot Axle			
23	65081-020	Bearing			
24	44506-001-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings			
	44506-001	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings			
	44506-002	Load Roller Assembly, Nylon W/ Bearings			
	44506-003	Load Roller Assembly, Steel W/ Bearings			
	GWK-PTH50-LW	Load Wheel Kit, Incl. (2) Load Roller Assy W/ Bearings, Axles and Fasteners			
	GWK-PTH50-CK	Complete Wheel Kit, Incl. 2 load roller assembly 2 steer wheel assemblies, axles and fasteners			
25	41139	Bushing			
26	44509	Load Roller Axle			
27	50000-017	Roll Pin			
28	44463	Lifting Link Pin			
29	50007-023	Bolt			
30	44461	Entry Roller			
31	50008-025	Nut			

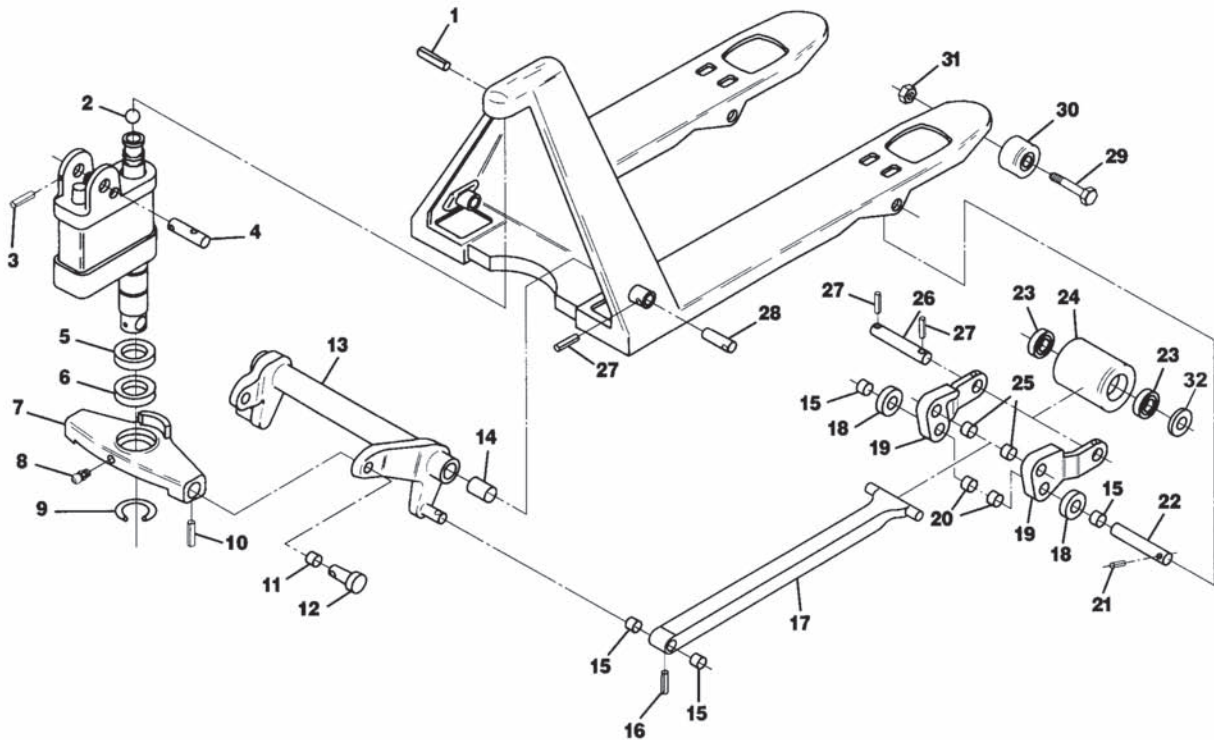
Crown PTH50 Hydraulic Unit



Crown PTH50 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	50000-012	Roll Pin	37	50000-039	Roll Pin
2	44521-012	Handle Assembly (Incl Item 1 - 17)	38	44499	Steer Wheel Axle
3	44537	Roller Axle	39	65081-020	Bearing
4	55084-001	Bushing	40	4495-001-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
5	44536	Roller		44495-001-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings
6	55084-003	Bushing		44495-002	Steer Wheel Assembly, Nylon W/ Bearings
7 A B	55001-007	Ball		44495-003	Steer Wheel Assembly, Steel W/ Bearings
8	41292	Spring		GWK-PTH50-CK	Complete Wheel Kit, Includes (2) Load Roller Assemblies
9	44600	Control Lever			2 Steer Wheel Assemblies w/bearings, Axles and Fasteners
10	44531	Barrel Nut	41	50012-021	Snap Ring
11	44527	Control Rod	42	44437	Hub Cap (OEM Wheel Only)
12	44586	Insert Assembly		44437-1	Hub Cap (GPS Wheel Only)
13	79918	Spring	43 A B	41166	Bushing
14	44534	Master Link	44 A B	54015-001	U-Cup
15	44533	Chain	45	41165	Bushing
16	44535	Chain Connector	46 A	50012-025	Snap Ring
17	50005-002	Screw	47 A B	54001-008	Scraper
KITS	44533-A	Chain Assembly (Incl Item 14 - 17)	48	41254	Magnet and Sleeve Assembly
KITS	44527-A	Rod and Chain Assembly (Incl Item 10 - 17)	49	44708	Ram Assembly (Incl Item 48)
KITS	44532	Chain and Link Kit (Incl Item 14,15)	50	55001-010	Ball
18 A	50000-070	Roll Pin	51 A B	54002-024	O-Ring
19	44457	Pin	52	44455	Release Pin
20	44519	Handle Axle	53 A B	44456	Spring
21 A	44453	Piston	54 A B	54001-009	Scraper
	44709	Piston and Cylinder Assembly	55 A	41181	Filler Plug
22 A	50012-033	Snap Ring	56	HU CR PTH-50	Rebuilt Hydraulic Unit - Exchange
23	44452	Washer		44445-AM	Pump Assembly, New After-Market Replacement
24	44570	Spring		44648-AM	Seal Kit For 44445-AM
25 A B	64074-005	Back-Up Ring	KITS A	44648-SUPER	Super Seal Kit
26 A B	54002-012	O-Ring	KITS B	44648	Complete Seal Kit
27 A B	54015-005	U-Cup			
28	44454	Pump Cylinder			
29 A	50012-026	Snap Ring			
30 A B	41286	Tappet			
31 A B	50011-010	Washer			
32 A B	41289	Ball Housing			
33 A B	55001-002	Ball			
34 A B	41288	Spring			
35 A B	50011-020	Washer			
36 A	41301	Screw Plug			

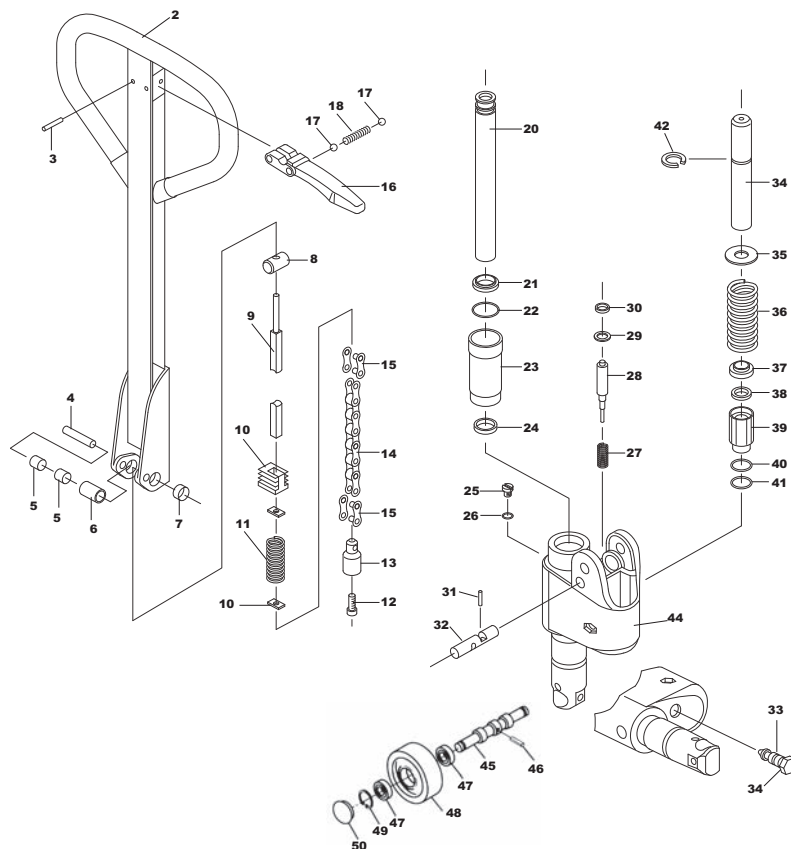
Crown Newer PTH50 Frame



Crown Newer PTH50 Frame

Item#	Part#	Description	Item#	Part#	Description
1	50000-014	Roll Pin			
2	55001-010	Ball			
3	50000-015	Roll Pin			
4	44519	Handle Axle			
5	44468	Washer			
6	55018-001	Traverse Bearing			
7	45671	Traverse			
8	54011-001	Lube Fitting			
9	50012-024	Snap Ring			
10	50000-010	Roll Pin			
11	41201	Bushing			
12	44467	Pin			
13	819177	Lifting Link, 27" Wide Jack			
14	55084-002	Bushing			
15	42053-011	Bushing			
16	50000-016	Roll Pin			
17	44488-006	Pushrod Assembly			
18	44777	Exit Roller			
19	44501	Load Roller Bracket (Pair)			
20	42053-012	Bushing			
21	50000-011	Roll Pin			
22	45670	Pivot Axle			
23	55002-004	Bearing			
24	44506-001-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings			
	44506-001	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings			
	44506-002	Load Roller Assembly, Nylon W/ Bearings			
	44506-003	Load Roller Assembly, Steel W/ Bearings			
	GWK-PTH50-LW	Load Wheel Kit, Incl. (2) Load Roller Assy W/ Bearings, Axles and Fasteners			
	GWK-PTH50-CK	Complete Wheel Kit, Incl. (2) Load Roller Assy, (2) Steer Wheel Assy, Axles and Fasteners			
25	41139	Bushing			
26	45676	Axle			
27	50000-017	Roll Pin			
28	45669	Lift Link Pin			
29	50007-023	Bolt			
30	44461	Entry Roller			
31	50008-049	Nut			
32	44500-001	Load Wheel & Bracket Assembly			
33	44516	Washer			

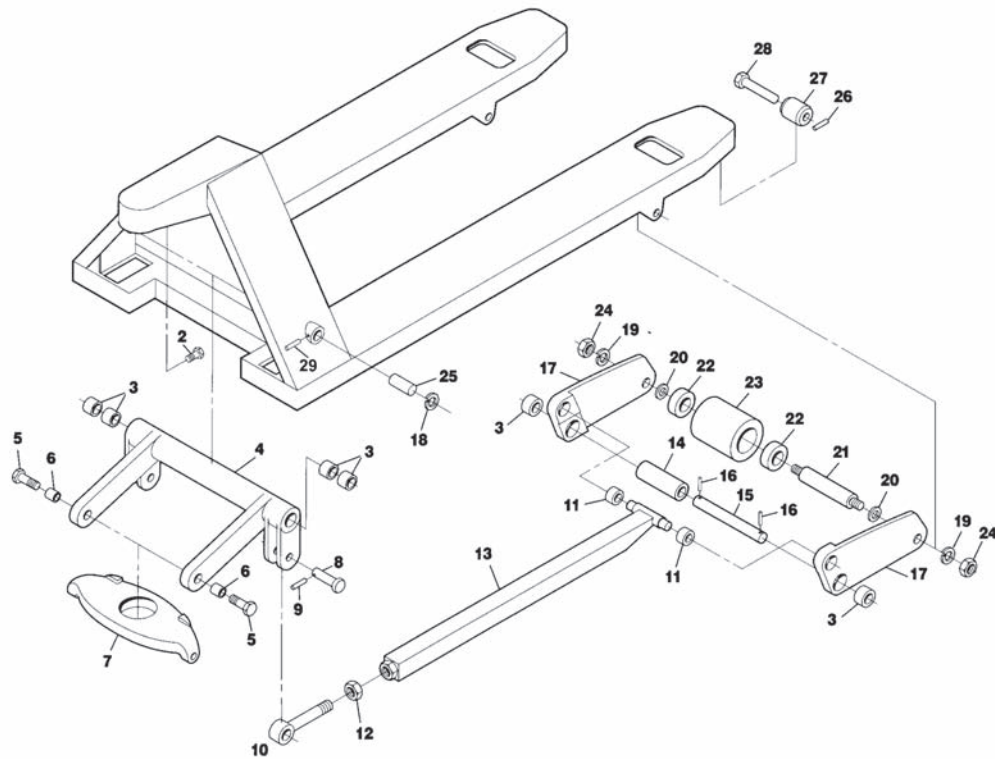
Crown Newer PTH 50 Hydraulic Unit



Crown Newer PTH 50 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	44521-012	Handle Assembly	42	50012-033	Snap Ring
2	81604	Handle Frame	43	816816	Pump Piston
3	50000-012	Roll Pin	44	816814-001	Pump Assembly
4	46235	Roller Axle	45	44499	Steer Wheel Axle
5	55084-001	Bushing	46	50000-039	Roll Pin
6	46236	Roller	47	065081-020	Bearing
7	55084-003	Bushing	48	44495-001-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
8	44531	Barrel Nut		44495-001-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings
9	44527	Control Rod		44495-002	Steer Wheel Assembly, Nylon W/ Bearings
10	44586	Insert		44495-003	Steer Wheel Assembly, Steel W/ Bearings
11	79918	Spring		GWK-PTH50-CK	Complete Wheel Kit, Incl (2) Load Roller Assy
12	50005-002	Screw			(2) Steer Wheel Assy, Axles and Fasteners
13	44535	Chain Connector	49	50012-021	Snap Ring
14	46128	Chain Assembly	50	44437	Hub Cap (OEM Wheel Only)
15	46127	Master Link		44437-1	Hub Cap (GPS Wheel Only)
16	44600	Release Lever	KITS A	44648	Seal Kit
17	55001-007	Ball			
18	41292	Spring			
20	46234	Ram			
21	A 54001-008	Scraper			
22	A 50012-025	Snap Ring			
23	41165	Ram Cylinder			
24	A 54015-001	U-Cup			
25	41181	Filler Plug			
26	A 50011-010	Washer			
27	A 44456	Spring			
28	816819	Control Piston			
29	A 818263	O-Ring			
30	818261	Wiper			
31	A 50000-070	Roll Pin			
32	816818	Pin			
33	818252	Pump Cartridge			
34	A 819180	O-Ring			
35	44452	Washer			
36	44570	Spring			
37	A 54001-009	Scraper			
38	A 54015-005	U-Cup			
39	816815	Pump Cylinder			
40	A 818262	Back-up Ring			
41 A	818260	O-Ring			

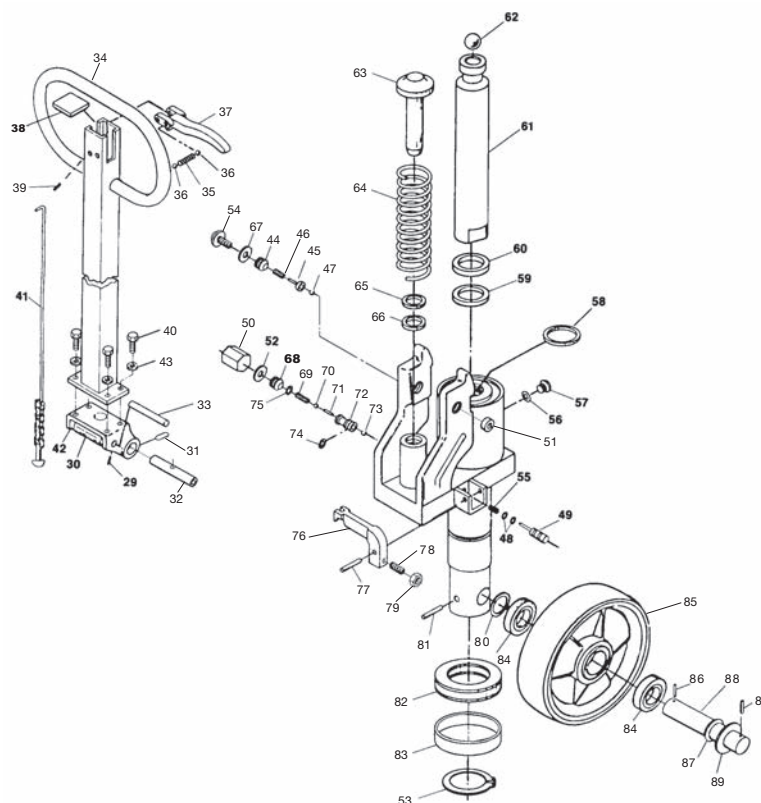
Eagleman A Frame



Eagleman A Frame

Item#	Part#	Description	Item#	Part#	Description
2	A102	Lock Bolt			
3	A103	Bushing			
4	A104	Torsion Tube			
5	A105	Shoulder Bolt			
6	A106	Bushing			
7	A107	Traverse			
8	A108-New	Pin			
9	A109-New	Cotter Pin			
10	A110	Eye Bolt with Bushing			
11	A111	Bushing			
12	A112	Lock Nut			
13	A113	Push Rod, 48" Forks			
14	A114	Exit Roller			
15	A115	Pivot Axle			
16	A116	Roll Pin			
17	A117	L/R Bracket (Pair, Includes Bushing)			
18	A118	Snap Ring			
19	A119	Lock Washer			
20	A120	Washer			
21	A121	Load Shaft			
22	A122	Bearing			
23	A123-B	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 3" Dia.			
	A123-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 3" Dia.			
	A123-C	Load Roller Assembly, Nylon W/ Bearings, 3" Dia.			
	A123-D	Load Roller Assembly, Steel W/ Bearings, 3" Dia.			
24	A124	Lock Nut			
25	A125	Pin			
26	A126	Cotter Pin			
27	A127	Entry Roller			
28	A128	Entry Roller Shaft			
29	A190	Roll Pin			

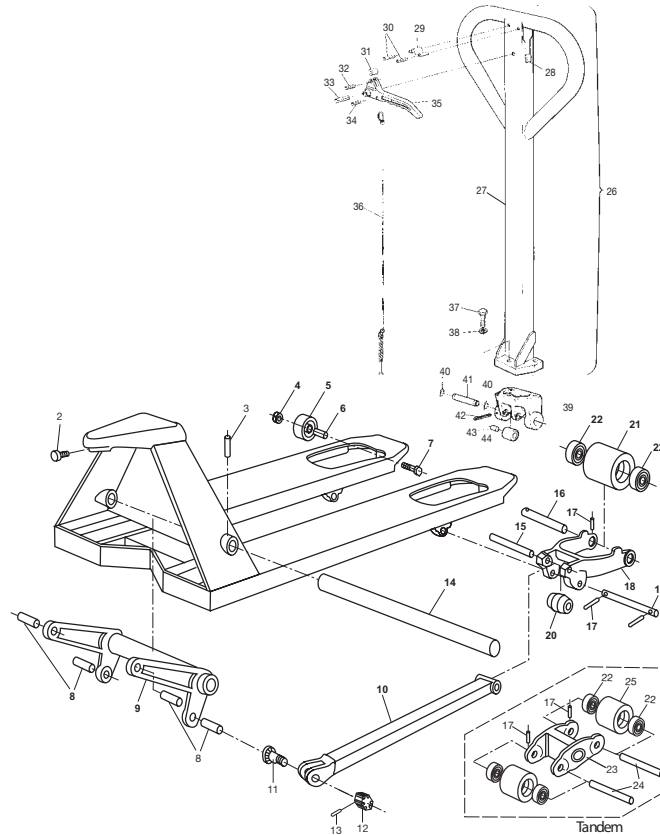
Eagleman A Hydraulic Unit



Eagleman A Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
29	A129	Pin	67 C	A167	O-Ring
30	A130	Roller	68 B	A168	Plug Bolt
31	A131	Roll Pin	69 B	A169	Spring
32	A132	Handle Axle	70 B	A170	Ball
33	A133	Roller Pin	71 B	A171	Pin
34	A134	Handle Frame	72 B	A172	Valve
	A194	Handle Assembly	73 B	A173	Ball
35	A135	Spring	74 B	A174	O-Ring
36	A136	Ball	75 B	A175	O-Ring
37	A137	Control Lever	76	A176	Release Valve Lever
38	A138	Cap	77	A177	Roll Pin
39	A139	Roll Pin	78	A178	Adjust Screw
40	A140	Bolt	79	A179	Lock Nut
41	A141	Rod and Chain (Orange Jack)	80	A180	Washer
	A141-New	Rod and Chain (Grey Jack)	81	A181	Roll Pin
42	A142	Bracket	82	A182	Thrust Bearing
43	A143	Lock Washer	83	A183	Bearing Holder
44 C	A144	Plug	84	A184	Bearing
45 C	A145	Overload Valve	85	A185-A	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 8" Dia.
46 C	A146	Spring		A185-B	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings, 8" Dia.
47 C	A147	Ball		A185-C	Steer Wheel Assembly, Nylon W/ Bearings, 8" Dia.
48	A148	O-Ring		A185-D	Steer Wheel Assembly, Steel W/ Bearings, 8" Dia.
49	A149	Release Valve	86	A186	Roll Pin
50	A150	Nut	87	A187	Washer
51	A151	Bushing	88	A188	Steer Wheel Axle
52 B	A152	Washer	89	A189	Washer
53	A153	Snap Ring	KITS A	A191	Seal Kit
54	A154	Plug Bolt	KITS B	A192	Valve Kit
55	A155	Spring	KITS C	A193	Overload Kit
56	A156	O-Ring		HU EA A195	Rebuilt Hydraulic Unit - Exchange
57	A157	Filler Screw			
58	A A158	Top Seal			
59	A A159	Bottom Seal			
60	A A160	Wiper			
61	A161	Lift Piston			
62	A162	Ball			
63	A163	Piston			
64	A164	Spring			
65 A	A165	Wiper			
66 A	A166	Seal			

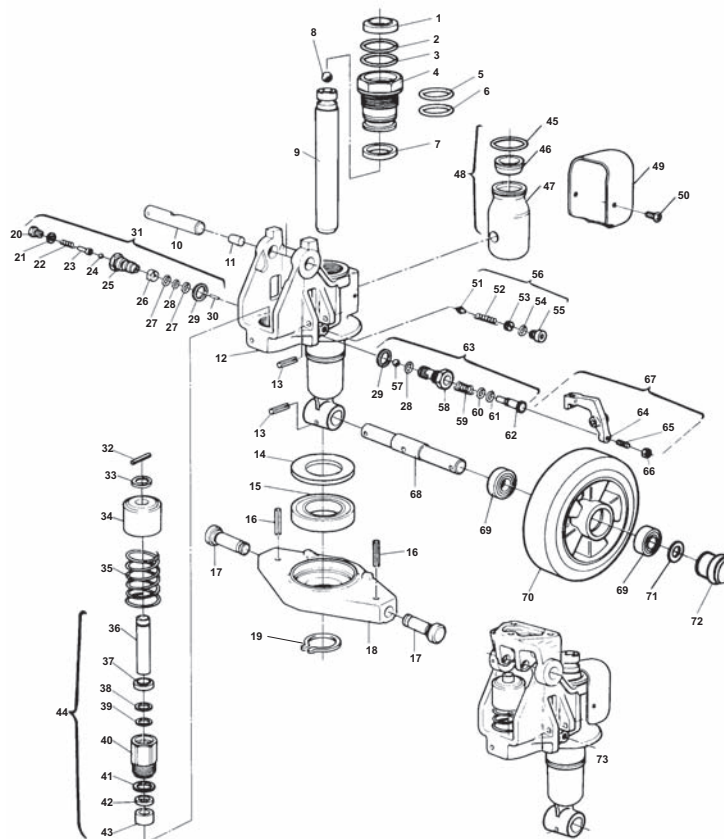
Hu-Lift HP25L Frame



Hu-Lift HP25L Frame

Item#	Part#	Description	Item#	Part#	Description
2	F103	Hex Socket Screw	103-A		Bracket Assy
3	F104	Roll Pin	40	108	Snap Ring
4	F106	Nut	41	107	Shaft
5	F108	Entry Roller	42	106	Roll Pin
6	F109	Sleeve	43	105	Bushing
7	F111	Bolt	44	104	Steel Roller
8	F102	Bushing			
9	F101	Lifting Link Assembly			
10	F125	Push Rod			
11	F126	Eccentric Pin			
12	F123	Nut			
13	F124	Split Pin			
14	F105	Lifting Link Shaft			
15	F122	Push Rod Axle			
16	F121	Load Wheel Axle			
17	F112	Roll Pin			
18	F120	Load Roller Bracket (Single)			
19	F118	Axle			
20	F119	Roller			
21	F117B-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 2-3/4" Dia.			
	F117A-A	Load Roller Assembly, Nylon W/ Bearings, 2-3/4" Dia			
22	F115	Bearing			
23	F113	Load Roller Bracket (Tandem)			
24	F114	Load Roller Axle			
25	F116B-A	Load Roller Assy (Tandem) , Black Ultra Poly On Steel Hub W/ Bearings, 2.9" Dia.			
	F116A-A	Load Roller Assembly (Tandem), Nylon W/ Bearings, 2-3/4" Dia.			
26	H101-A	Handle Assembly, (Incl. Items 27 through 36)			
27	H101	Handle (See Item 26) see Item 26			
28	H108	Rubber Cushion			
29	H103	Handle Spring (Newer Version)			
30	H104	Roll Pin (Newer Version)			
31	H111	Nylon Roller			
32	H105	Roll Pin (Newer Version)			
33	H102	Roll Pin			
34	H112	Roll Pin			
35	H106	Control Lever			
36	H107	Rod and Chain			
37	H109	Handle Bolt			
38	H110	Lock Washer			
39	103	Handle Bracket			

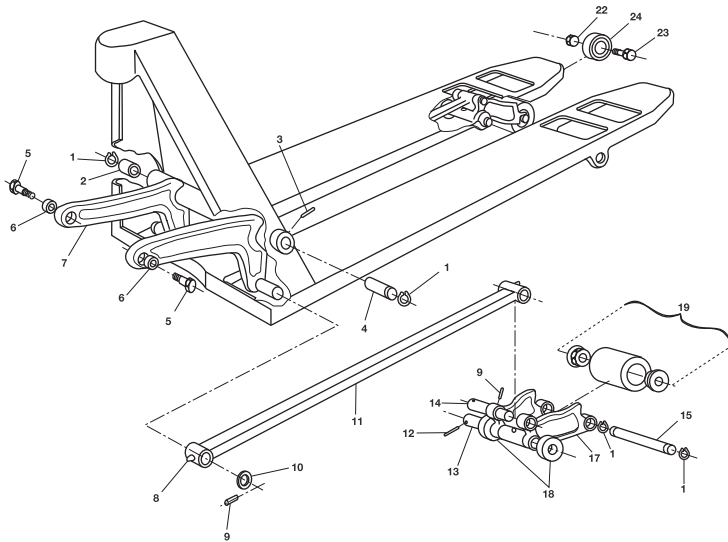
Hu-Lift HP25L Hydraulic Unit



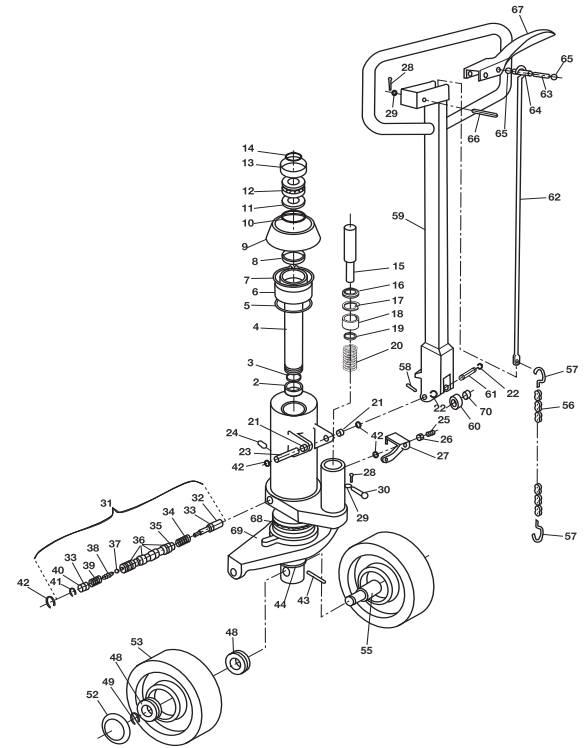
Hu-Lift HP25L Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1 A	156	Scraper	39 A	169	O-Ring
2	170	Retainer	40	148	Pump Cylinder
3 A	157	O-Ring	41 A	149	U-Cup
4	159H	Top Nut	42	150	Nylon Bushing
5 A	157-1	O-Ring	43 A	151	Washer
6 A	158H	O-Ring	44	146-A	Pump Piston Assembly
7 A	160H	U-Cup	45 A	161H	O-Ring
8	101	Ball	46	162H	Filler Plug
9	102	Ram	47	165H	Reservoir
10	109	Handle Pin	48	165H-A	Reservoir Assembly (Incl. 45,46,47 & Pint of Oil)
11	120	Bushing	49	163H	Cowling
12	122H	Pump Body		163H-A	Cowling Assembly (Incl. 49 & 50)
13	121	Roll Pin	50	164H	Screw
14	123	Dust Cover	51	134	Valve
15	124	Bearing	52	135	Spring
16	154	Roll Pin	53	136	Adjusting Screw
17	155	Shoulder Pin Set	54 A	137	O-Ring
18	153	Traverse	55	138	Screw
	153-A	Traverse Assembly, Incl. Item 15 & 18	56	138-A	Safety Valve Assembly
19	152	Snap Ring	57	129	Ball
20	110	Screw Plug	58	130	Release Valve Body
21 A	111	Washer	59	131	Spring
22	112	Spring	60 A	132	O-Ring
23	113	Spring Guide	61	167	Retainer
24	114	Ball	62	133	Release Pin
25	115	Valve Body	63	130-A	Plunger Assembly
26	116	Spring	64	139H	Release Lever
27	166	Retainer	65	140H	Adjusting Screw
28 A	117	O-Ring	66	141	Nut
29 A	118	Washer	67	139H-A	Activator (Incl. Items 64-66)
30	119	Valve Pin	68	125	Steer Wheel Axle
31	115-A	Valve Assembly	69	126	Bearing
32	142	Roll Pin	70	127-A-HD	Steer Wheel Assembly, Ultra Poly On Aluminum Hub W/ Bearings, 7" Dia.
33	143	Retaining Cover		127-A-ST	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings, 7" Dia.
34	144	Spring Cap		127-A-N	Steer Wheel Assembly, Nylon W/ Bearings, 7" Dia.
	144-A	Spring Cap Assy Incl. Item 34 & 35	71	128	Snap Ring
35	145	Spring	72	171	Dust Cover
36	146	Piston	73	100-AM	Hydraulic Unit, New After-Market Replacement
37 A	147	Scraper		100	Rebuilt Hydraulic Unit - Exchange
38	168	Retainer	KITS A	99	Seal Kit

Interthor K77 and K85 Frame



Interthor K77 and K85 Hydraulic Unit



Interthor K77 and K85 Frame

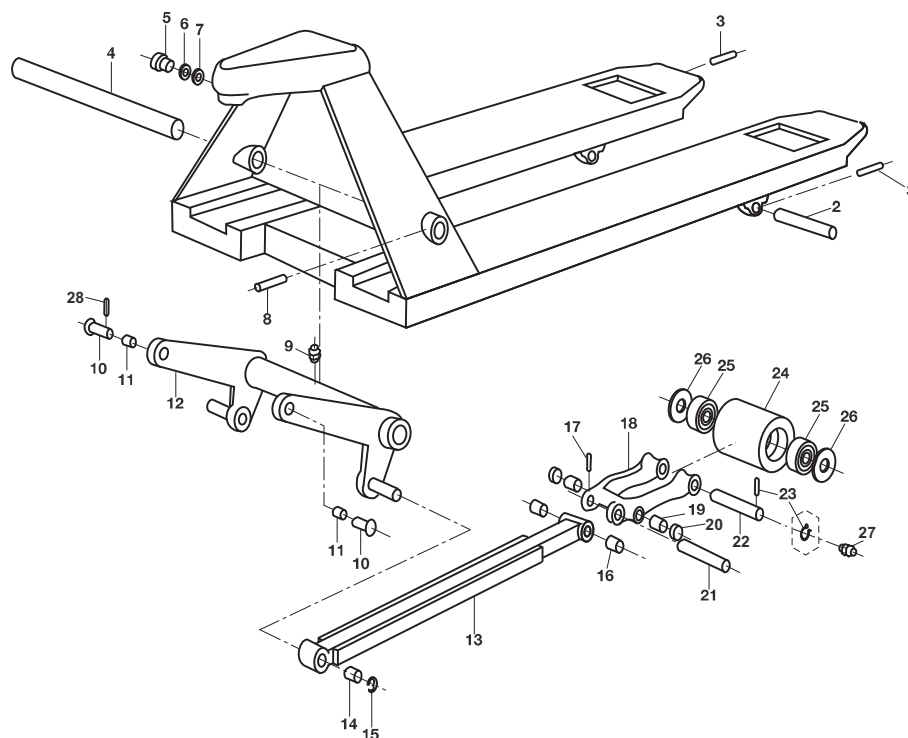
Item#	Part#	Description
1	435.0015	Snap Ring
2	524.5040	Bushing
3	427.0440	Roll Pin
4	140.5153	Lifting Link Pins (Pair), 27" Wide Jack
5	140.5229	Shoulder Bolt
6	524.0014	Bushing
7	130.5156	Lifting Link, 27" Wide Jack
8	640.0002	Grease Fitting (Threaded)
9	427.0102	Roll Pin
10	140.5098	Washer
11	130.5086-D	Push Rod, 48" Forks
12	427.6127	Roll Pin
13	140.5095	Pivot Axle
14	140.5099	Push Rod Axle
15	140.5094	Load Roller Axle
17	130.5068	Load Roller Bracket
18	140.5101	Exit Roller
19	140.5234-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings

Item#	Part#	Description
	140.5233-A	Snap Ring
	140.5235-A	Load Roller Assembly, Nylon W/ Bearings
22	410.0004	Nut
23	300.0039	Bolt
24	140.5172	Entry Roller

Interthor K77 and K85 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
2 A	605.5080	U-Cup	20 A	140.6470	Handle Return Spring	38	140.6459	Pin
3 A	140.6017	Nylon Bushing	21	524.0014	Bushing	39 A	140.6439	Spring
4	140.6014	Ram	22	435.0008	Snap Ring	40	140.6457	Plug
5 A	600.5028	O-Ring	23	140.6420	Handle Pin	41	430.0000	Snap Ring
6	140.6001	Bushing	24	630.2002	Filler Plug	42	435.0012	Snap Ring
7	430.0034	Snap Ring	25	315.0650	Set Screw	43	427.0165	Roll Pin
8 A	611.0020	Scraper	26	400.0003	Nut	44	435.0025	Snap Ring
9	140.6035	Cover	27	130.6465	Release Lever	48	512.0035	Bearing
10	430.0029	Snap Ring	28	450.0020	Cotter Pin	49	435.0015	Snap Ring
11	140.5111	Thrust Collar	29	415.0004	Washer	52	140.5070	Hub Cap
12	518.0015	Thrust Bearing	30	452.0032	Pin	53	130.5179-A	Steer Wheel Assembly
13	140.5110	Bushing	31	140.6478	Valve Assembly			Nylon w/bearings
14	435.0021	Snap Ring	32	140.6458	Plunger		140.6149-A	Steer Wheel Assembly
15	140.6460	Piston	33 A	600.0002	O-Ring			Nylon W/ Bearings
16 A	610.0006	Scraper	34 A	140.6471	Spring		150.0000-A	Steer Wheel Assembly
17	430.0070	Snap Ring	35	130.6456	Valve Housing			Steel w/bearings
18	140.6461	Bushing	36 A	600.0008	O-Ring	55	140.6050	Steer Wheel Axle
19 A	606.0010	U-Cup	37 A	549.0018	Ball	56	140.6479	Chain
						57	140.6416	Hook
						58	427.0065	Roll Pin
						59	130.6476	Handle Assembly
						60	143.0005	Roller
						61	140.6414	Pin
						62	140.6474	Control Rod
						63	140.6472	Spring
						64	140.6473	Sleeve
						65	549.0025	Ball
						66	452.0025-R	Roll Pin
						67	130.6467	Control Lever
						68	518.0022	Traverse Bearing
						69	130.5133	Traverse
						70	524.0008	Bushing
						KITS A	K-77	Complete Seal Kit
						HU IN	K77	Rebuilt Hydraulic Unit - Exchange

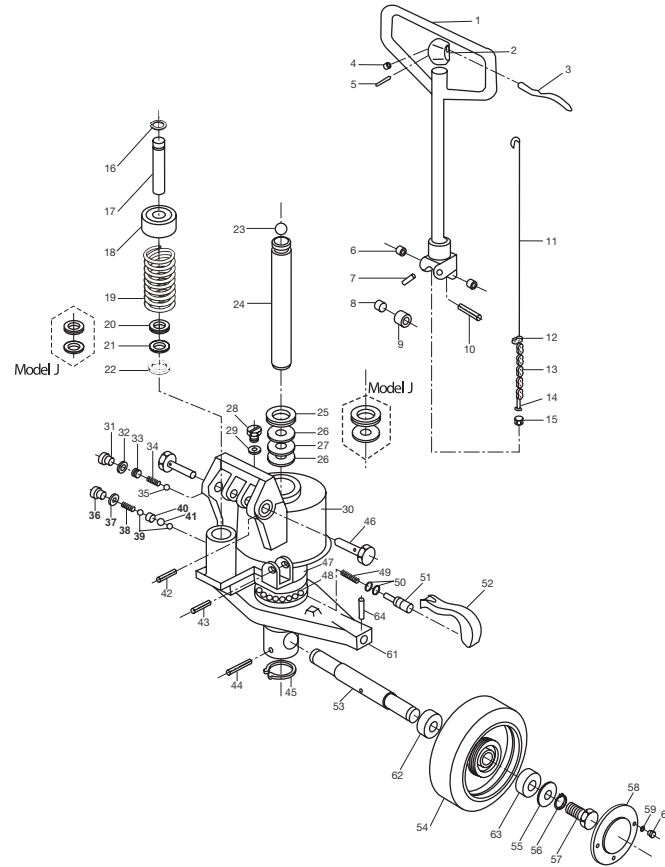
Jet A, L and J Frame



Jet A, L and J Frame

Item#	Part#	Description	Item#	Part#	Description
2	JT PT2748L-078	Pivot Axle			2 steer wheel assembly w/bearings, axles and fasteners
	JT PT2748J-078	Pivot Axle		JT PT2748L-080-D	Load Roller Assembly, Model L, Black Ultra Poly On Steel Hub w/bearings
3	JT PT2748A-079	Spring Pin		GWK-JETL-LW	Load Wheel Kit, Model L, (2) Black Ultra Poly Load Roller Assy w/bearings
	JT PT2748J-079	Spring Pin		GWK-JETL-CK	Complete Wheel Kit, Model L, 2 load roller assy
4	JT PT2748A-071	Lifting Link Shaft, 27" Wide Jack			2 steer wheel assy w/bearings, axles and fasteners
	JT PT2048A-071	Lifting Link Shaft, 20" Wide Jack Special Order		JT PT2748J-080-D	Load Roller Assembly, Model J, Black UltraPoly On Steel Hub W/ Bearings
5	JT PT2748A-070	Bolt		GWK-JETJ-LW	Load Wheel Kit, Model J, (2) Black Ultra Poly Load Roller Assy W/ Bearings
6	JT PT2748A-069	Lock Washer		GWK-JETJ-CK	Complete Wheel Kit, Model J, 2 load roller assy
7	JT PT2748A-068	Washer			2 steer wheel assy w/bearings, axles and fasteners
8	JT PT2748A-077	Spring Pin	25	JT PT2748L-080-BS	Bearing, OEM Wheel Only
9	JT PT2748A-073	Grease Fitting	26	JT PT2748L-080BNS	Washer
10	JT PT2748A-074	Shoulder Pin	27	JT PT2748A-082B	Grease Fitting, Use W/ PT2748J-082 Before Serial # 704xxx
11	JT PT2748A-075	Bushing	28	JT PT2748A-054	Roll Pin
12	JT PT2748A-076	Lifting Link, 27" Wide Jack			
	JT PT2048A-076	Lifting Link, 20" Wide Jack Special Order			
13	JT PT2736L-088	Push Rod For 36" Long Jack Special Order			
	JT PT2742L-088	Push Rod For 42" Long Jack Special Order			
	JT PT2748L-088	Push Rod For 48" Long Jack			
	JT PT2748J-088	Push Rod For 48" Long Jack			
14	JT PT2748A-090	Bushing			
15	JT PT2748A-089	E-Ring			
16	JT PT2748A-087	Bushing			
	JT PT2748J-087	Bushing			
17	JT PT2748A-081	Roll Pin			
18	JT PT2748L-083	Load Wheel Bracket			
	JT PT2748J-083	Load Wheel Bracket			
19	JT PT2748L-085	Bushing			
	JT PT2748J-085	Bushing			
20	JT PT2748L-084	Exit Roller			
21	JT PT2748L-086	Push Rod Pin			
	JT PT2748J-086	Push Rod Pin			
22	JT PT2748A-082	Load Roller Axle W/ Zerk, Before Serial # 704xxx			
	JT PT2748J-082	Load Roller Axle W/ Zerk, After Serial #704xxx			
23	JT PT2748L-081	Roll Pin			
	JT PT2748J-081	Snap Ring, Use W/ PT2748J-082			
24	JT PT2748A-080-D	Load Roller Assembly, Model A, Black Ultra Poly On Steel Hub W/ Bearings			
	GWK-JETA-LW	Load Wheel Kit, Model A, 2 black ultra poly load roller assembly w/bearings, axles and fasteners			
24	GWK-JETA-CK	Complete Wheel Kit, Model A, 2 load roller assembly			

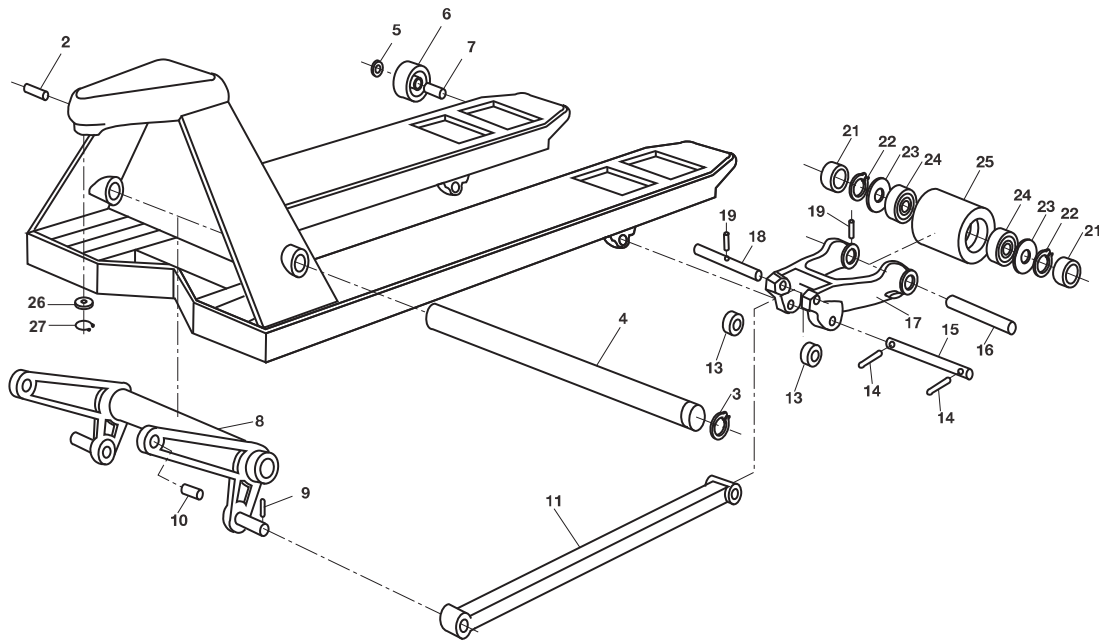
Jet A, L and J Hydraulic Unit



Jet A, L and J Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	PT2748A-001	Handle Frame	PT2748A-038A		Spring (Not Shown)
2	PT2748A-002	Handle Cap	39	PT2748A-040	Ball
3	PT2748A-003	Control Lever	40	PT2748A-039	Valve Housing
4	PT2748A-004	Screw	41	PT2748A-040A	Steel Ball
5	PT2748A-005	Roll Pin	42	PT2748A-041	Spring Pin
6	PT2748A-006	Bushing	43	PT2748A-042	Spring Pin
7	PT2748A-007	Spring Pin	44	PT2748A-044	Spring Pin
8	PT2748A-008	Bushing	45	PT2748A-043	Snap Ring
9	PT2748A-009	Roller	46	PT2748A-048	Handle Pin
10	PT2748A-010	Roller Pin	47	PT2748A-049	Bearing Base
11	PT2748A-011	Release Rod	48	PT2748A-050	Thrust Bearing
12	PT2748A-012	Chain Joint	49	PT2748A-051	Spring
13	PT2748A-013	Chain	50 A	PT2748A-019	O-Ring
14	PT2748A-014	Anchor Bolt	51	PT2748A-052	Release Pin
15	PT2748A-015	V-Nut	52	PT2748A-053	Actuator
16	PT2748A-032	Snap Ring	53	PT2748A-046	Wheel Shaft
17	PT2748A-033	Pump Piston	54	PT2748L-103	Steer Wheel Assembly, Model L, Black Solid Poly W/ Bearings
18	PT2748A-034	Spring Cap		GWK-JETL-CK	Complete Wheel Kit, Model L, (2) Load Roller Assy
19	PT2748A-035	Spring			(2) Steer Wheel Assy W/ Bearings, Axles and Fasteners
20 A	PT2748A-020	Dust Seal	PT2748A-060-HD		Steer Wheel Assembly, Model A or J, Red Ultra Poly On Alum Hub W/ Bearings
21 A	PT2748A-021	Back-Up Ring See Kits	PT2748A-060-ST		Steer Wheel Assembly, Model A or J, Black Poly On Nylon W/ Bearings
22 A	PT2748A-022	O-Ring See Kits		GWK-JETA-CK	Complete Wheel Kit, Model A, (2) Load Roller Assy
23	PT2748A-024	Ball			(2) Steer Wheel Assy W/ Bearings, Axles and Fasteners
24	PT2748A-025	Ram Piston, Before Serial #704xxx (Located On Pump)		GWK-JETJ-CK	Complete Wheel Kit, Model J, (2) Load Roller Assy
		Ram Piston, After Serial #704xxx (Located On Pump)			(2) Steer Wheel Assy W/ Bearings, Axles and Fasteners
	PT2748J-025	Ram Piston (J Model)	55	PT2748A-062	Washer
25 A	PT2748A-016	Dust Seal See Kits	56	PT2748A-063	Lock Washer
26 A	PT2748A-017	O-Ring See Kits	57	PT2748A-064	Bolt
27 A	PT2748A-018	Back-Up Ring See Kits	58	PT2748A-061	Hub Cap (OEM Wheel Only)
28	PT2748A-026	Oil Plug	59	PT2748A-065	Lock Washer (OEM Wheel Only)
29 A	PT2748A-023	O-Ring See Kits	60	PT2748A-066	Screw (OEM Wheel Only)
30	PT2748A-109	Pump Housing, New (Replaces PT2748-109)	61	PT2748A-055	Traverse
31	PT2748A-027	Pressure Adjustment Screw	62	PT2748A-103-BS-1	Steer Wheel Ball Bearing
32 A	PT2748A-028	O-Ring See Kits	63	PT2748A-103-BS-2	Steer Wheel Ball Bearing
33	PT2748A-029	Release Screw	64	PT2748A-054	Roll Pin
34	PT2748A-030	Spring	KITS A	PT2748A-101	Complete Seal Kit, Model A,L & J
35	PT2748A-031	Steel Ball			
36	PT2748A-036	Release Plug			
37	PT2748A-037	Washer			
38	PT2748A-038	Spring			

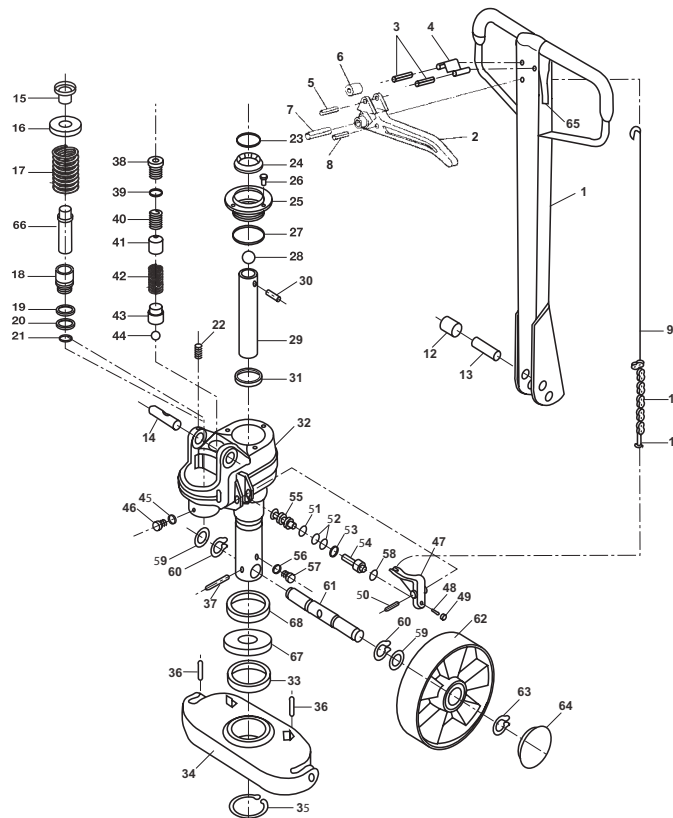
Jet W Frame



Jet W Frame

Item#	Part#	Description	Item#	Part#	Description
2	PT2748W-02	Roll Pin			
3	PT2748W-33	Snap Ring			
4	PT2748W-34	Lifting Link Shaft, 27" Wide Frame			
	PT2048W-34	Lifting Link Shaft, 20" Wide Frame Special Order			
5	PT2748W-36	Snap Ring			
6	PT2748W-37	Entry Roller			
7	PT2748W-38	Shaft			
8	PT2748W-14	Lifting Link, 27" Wide Frame *\$79.00			
	PT2048W-14	Lifting Link, 20" Wide Frame Special Order			
9	PT2748W-04	Roll Pin			
10	PT2748W-13	Arm Pin			
11	PT2748W-17	Push Rod, 48" Forks			
	PT2742W-17	Push Rod, 42" Forks Special Order			
	PT2736W-17	Push Rod, 36" Forks Special Order			
13	PT2748W-19	Exit Roller			
14	PT2748W-18	Spring Pin			
15	PT2748W-26	Pivot Shaft			
16	PT2748W-27	Load Roller Axle			
17	PT2748W-22	Load Wheel Bracket			
18	PT2748W-21	Push Rod Axle			
19	PT2748W-18	Spring Pin			
21	PT2748W-28	Spacer			
22	PT2748W-31	Locking Ring			
23	PT2748W-30	Washer			
24	PT2748W-29-BS	Bearing			
25	PT2748W-29-D	Load Roller Assembly, Model W, Black Ultra Poly on Steel Hub W/ Bearings			
	GWK-JETW-LW	Load Wheel Kit, Model With			
		(2) Black Ultra Poly Load Roller Assy W/ Bearings, Axles and Fasteners			
26	PT2748W-69A	Washer 42.00			
27	PT2748W-69B	Snap Ring			

Jet W Hydraulic Unit



Jet W Hydraulic Unit

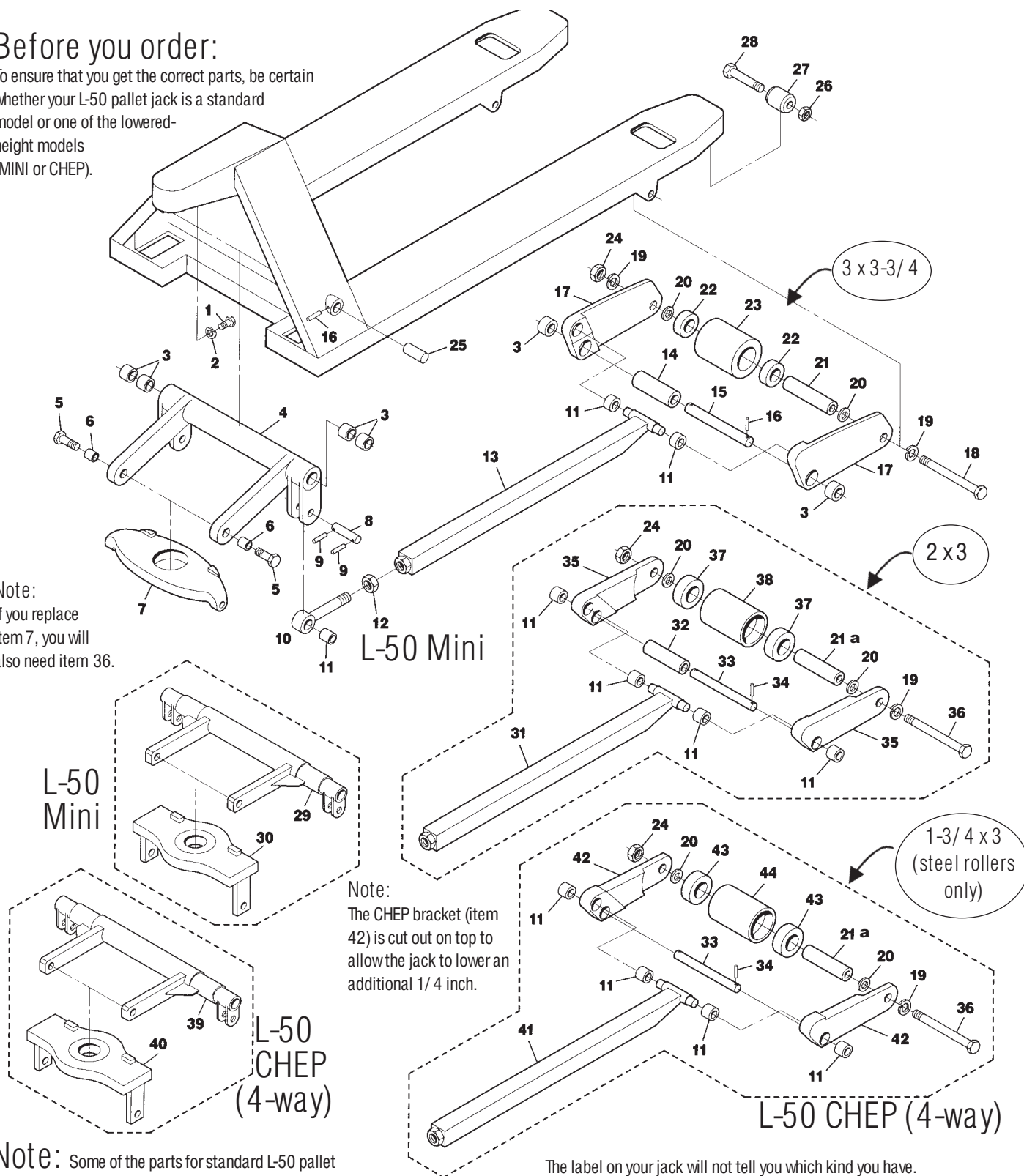
Item#	Part#	Description	Item#	Part#	Description
1	PT2748W-01	Handle Assembly (Complete)	40 B	PT2748W-87	Fixed Screw See Kits
2	PT2748W-44	Lowering Lever	41 B	PT2748W-88	Supporting Bracket See Kits
3	PT2748W-51	Roll Pin	42 B	PT2748W-89	Spreader Spring See Kits
4	PT2748W-52	Spring For Lowering Lever	43 B	PT2748W-90	Spreader Spring Bolt See Kits
5	PT2748W-40	Roll Pin	44 B	PT2748W-91	Steel Ball See Kits
6	PT2748W-39	Stop Roller (Cam)	45	PT2748W-61	Washer
7	PT2748W-42	Roll Pin	46	PT2748W-62	Screw Plug
8	PT2748W-43	Roll Pin	47	PT2748W-76	Lowering Lever
9	PT2748W-45	Lowering Linkage	48	PT2748W-77	Threaded Pin
10	PT2748W-46	Chain	49	PT2748W-78	Hex Nut
11	PT2748W-47	Anchor Pin	50	PT2748W-79	Roll Pin
12	PT2748W-48	Pressure Roller	51 A	PT2748W-73	O-Ring See Kits
13	PT2748W-49	Pressure Roller Shaft	52 A	PT2748W-74	O-Ring See Kits
14	PT2748W-50	Handle Axle	53 A	PT2748W-75	O-Ring See Kits
15	PT2748W-53	Flanged Bushing	54	PT2748W-80	Valve Cartridge (Includes O-Ring)
16	PT2748W-54	Spring Cap	55	PT2748W-80A	Valve Cartridge (Includes O-Ring)
17	PT2748W-55	Plunger Spring	56	PT2748W-82	Washer
18	PT2748W-56	Plunger Assembly	57	PT2748W-83	Bolt
19 A	PT2748W-57	Seal See Kits	58 A	PT2748W-81	O-Ring See Kits
20 A	PT2748W-58	U-Cup See Kits	59	PT2748W-09	Washer
21 A	PT2748W-70	O-Ring See Kits	60	PT2748W-08	C-Clip
22	PT2748W-59	Screw	61	PT2748W-07	Steer Wheel Axle Assembly
23 A	PT2748W-63	O-Ring See Kits	62	PT2748W-10-HD	Steer Wheel Assembly, Red Poly On Aluminum Hub W/ Bearings
24 A	PT2748W-64	Seal See Kits		PT2748W-10-ST	Steer Wheel Assembly, Model W, Black Poly On Nylon Hub w/bearings
25	PT2748W-66	Pump Cap		GWK-JETW-CK	Complete Wheel Kit, Model W, (2) Load Roller Assy (2) Steer Wheel Assy W/ Bearings, Axles and Fasteners
26	PT2748W-65	Screw	63	PT2748W-11	Snap Ring
27 A	PT2748W-67	O-Ring See Kits	64	PT2748W-12	Steer Wheel Hub Cap (OEM Wheel Only)
28	PT2748W-68	Ram	65	PT2748W-RS	Rubber Stop
29	PT2748W-69	Pin	66	PT2748W-53A	Pump Piston
30	PT2748W-72	Pin	67	PT2748W-099	Dust Boot
31 A	PT2748W-71	U-Cup See Kits	68	PT2748W-097	Bearing Washer
32	PT2748W-60	Pump Body, New Special Order	KITS A	PT2748W-94	O-Ring and Seal Kit
	PT2748W-93	Complete Pump Assembly, New Special Order	KITS B	PT2748W-84	Overload Valve Kit
33	PT2748W-03	Bearing	HU	PT2748W	Rebuilt Hydraulic Unit - Exchange
34	PT2748W-05	Pressure Plate			
35	PT2748W-06	Clip			
36	PT2748W-04	Spring Pin			
37	PT2748W-02	Roll Pin			
38 B	PT2748W-85	Screw See Kits			
39 B	PT2748W-86	Washer See Kits			

Lift-Rite (Big Joe) L-50 Frame

Before you order:

To ensure that you get the correct parts, be certain whether your L-50 pallet jack is a standard model or one of the lowered-height models (MINI or CHEP).

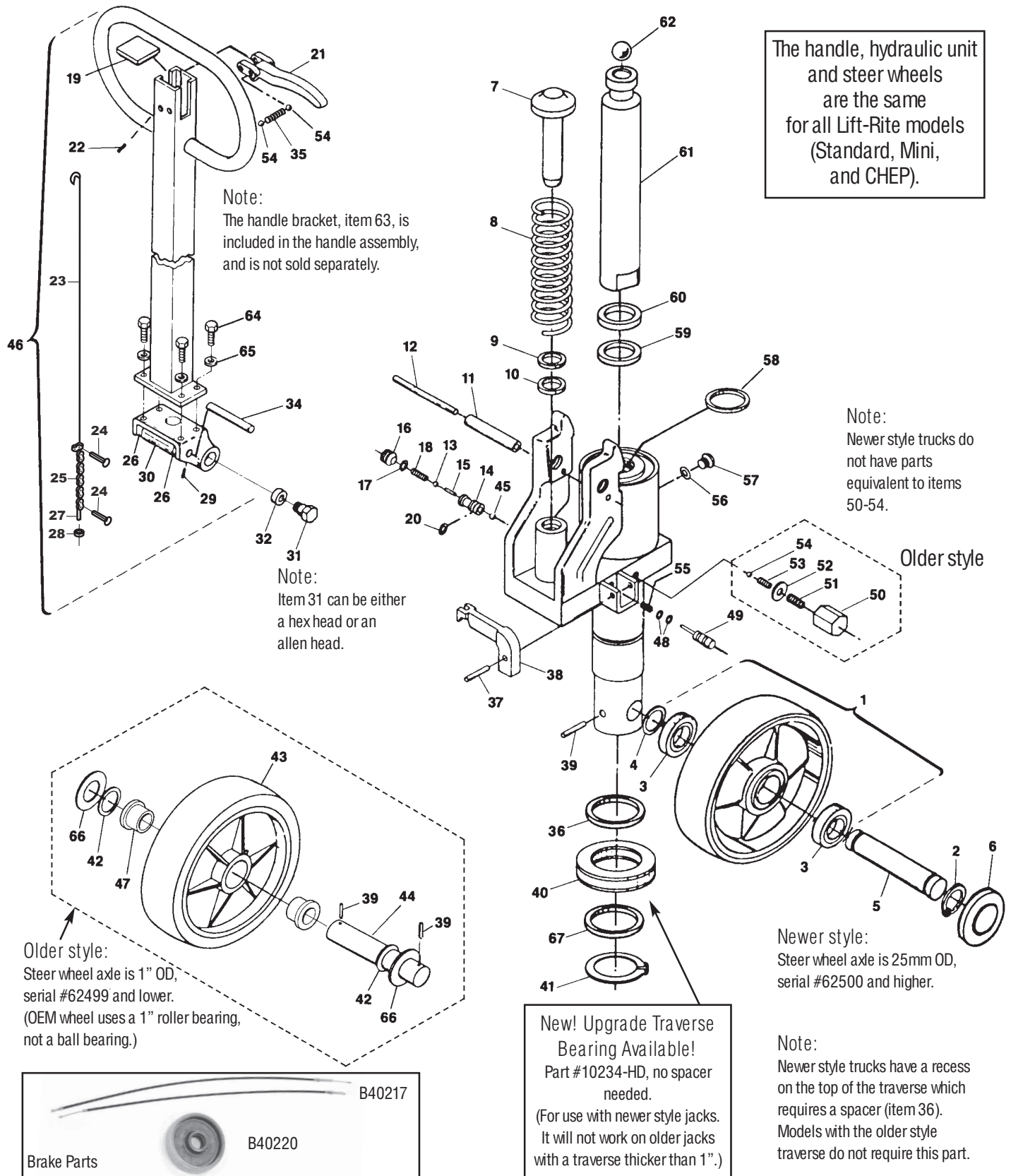
Note:
If you replace item 7, you will also need item 36.



Note: Some of the parts for standard L-50 pallet jacks are different from those for the low-profile jacks, the L-50 Mini and the L-50 CHEP (also known as 4-way); and some of the parts for the Mini jacks are different from those for the CHEP jacks. These parts are not interchangeable.

The label on your jack will not tell you which kind you have. You must measure the load rollers. Load rollers on standard L-50 jacks are 3" in diameter, load rollers on L-50 Mini jacks are 2" in diameter, load rollers on L-50 CHEP (4-way) jacks are 1-3/4" in diameter. Measure the load rollers and make sure which kind of jack you have before ordering parts.

Lift-Rite (Big Joe) L-50 Hydraulic Unit



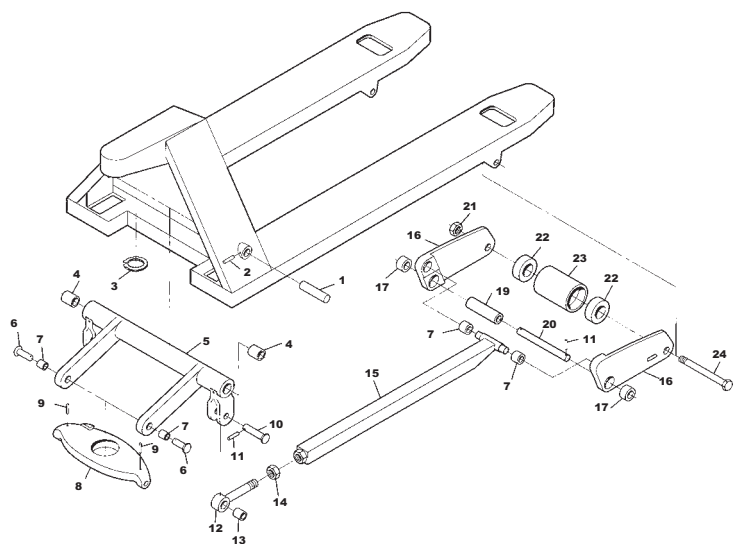
Lift-Rite (Big Joe) L-50 Frame

Item#	Part#	Description	Item#	Part#	Description
1	10232	Bolt	23	10210-S-A	Load Roller Assembly, Steel W/ Bearings 3" Dia., (Incl. Items 20, 21, & 22)
2	10232-A	Lock Washer		GWK-L50-LW	Load Wheel Kit, Incl. (2) Load Roller Assy W/Bearings, Axles and Fasteners, 3" Dia.
3	10203	Bushing	24	10218 Nut	\$0.50
4	10201	Lifting Link, 20-1/2" Wide Jack Special Order	25	10204	Lifting Link Pin
	10202	Lifting Link, 27" Wide Jack	26	10223	Nut (Older Style)
5	10275	Shoulder Bolt (Hex Head)	27	10221	Entry Roller, 1-7/16" Diameter (Older Style, Standard and Mini Only)
6	10203	Bushing		10281	Entry Roller, 1-15/16" Diameter (Newer Style, Standard and Mini Only)
7	10231	Traverse Special Order	28	10222	Bolt (Older Style)
8	10227	Pin		10285	Nut, Bolt and Sleeve Assembly (Newer Style)
9	10228	Roll Pin	29	10202-M	Lifting Link, 27" Wide Jack (L-50 Mini)Special Order
10	10226	Eye Bolt (Fine Thread with Bushings)	30	10231-M	Traverse (L-50 Mini) Special Order
	10226-C	Eye Bolt (Coarse Thread with Bushings)	31	10224-36-M	Push Rod, 36" Forks (Fine Thread) Special Order
11	10206	Bushing		10224-42-M	Push Rod, 42" Forks (Fine Thread) Special Order
12	10224-A	Nut (Fine Thread)		10224-48-M	Push Rod, 48" Forks (Fine Thread)
	10224-A-C	Nut (Coarse Thread)	32	10220-M	Exit Roller
13	10224-36	Push Rod, 36" Forks (Fine Thread) Special Order	33	10219-M	Pivot Axle
	10224-42	Push Rod, 42" Forks (Fine Thread) Special Order	34	10269	Roll Pin
	10224-48	Push Rod, 48" Forks (Fine Thread)	35	10212-M	Load Roller Brackets (Pair)
14	10220	Exit Roller	36	10215-M	Load Roller Axle Assy
15	10219	Pivot Axle	37	10214-M-P	Bearing (Use with Poly Load Roller)
16	10209	Roll Pin		10214-M-S	Bearing (Use with Steel Load Roller)
17	10212-LR	Load Roller Brackets (Pair)	38	10210-M-P-A	Load Roller Assembly, Poly On Steel Hub W/ Bearings, 2" Dia.
18	10215	Load Roller Axle Assy		10210-M-S-A	Load Roller Assembly, Steel W/ Bearings, 2" Dia.
19	10217	Lock Washer	39	PF-10203	Lifting Link, 33" Wide Jack Special Order
20	10216	Washer	40	10231-4-M	Traverse, 33" Wide Jack Special Order
21		Frame Sleeve, 4" Not Sold Separately	41	C-10224-48	Push Rod, 48" Forks (Fine Thread) Special Order
22	10214	Bearing	42	C-10212-LR	Load Roller Brackets (Pair; with Bushings)
23	10210-P-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 3" Dia., (Incl. Items 2)	43	C-10214	Bearing
	10210-P-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 3" Dia., (Incl. Items 2)	44	C-10210-A	Load Roller Assembly, Steel W/ Bearings, 1- 3/4" Dia.
	10210-N-A	Load Roller Assembly, Nylon W/ Bearings 3" Dia., (Incl. Items 20, 21, & 22)			

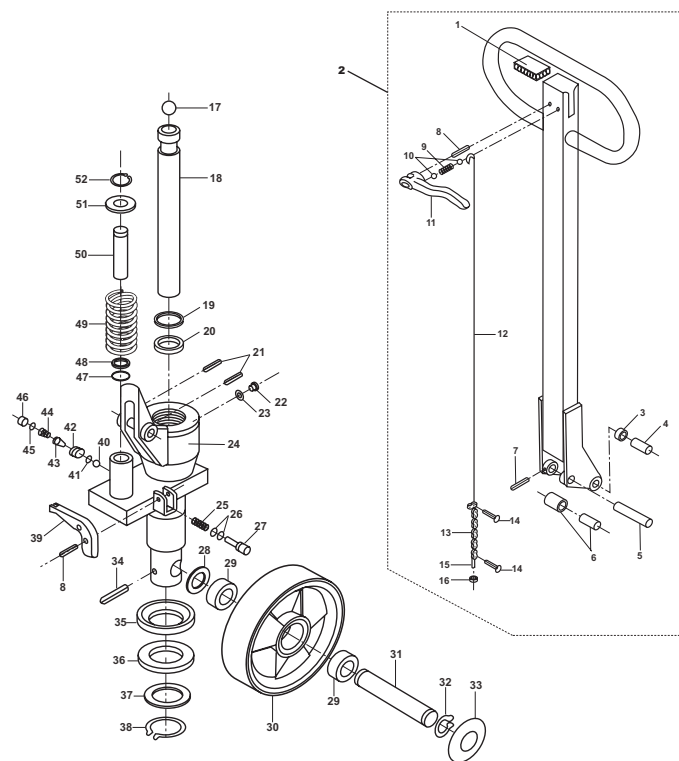
Lift-Rite (Big Joe) L-50 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	10236-B-A-HD	Steer Wheel Assy, Red Ultra Poly On Alum. Hub W/Bearings, 25mm Bearing ID		10234-HD	Heavy DutyThrust Bearing (Newer Style)
	10236-B-A-ST	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings, 25mm Bearing ID	41	10235	Snap Ring
	10236-B-N-A	Steer Wheel Assembly, Nylon W/ Bearings, 25mm Bearing ID	42	10239	Washer
	10236-B-S-A	Steer Wheel Assembly, Steel W/ Bearings, 25mm Bearing ID	43	10236-R-A-HD	Steer Wheel Assy, Red Ultra Poly On Alum. Hub W/Bearings, 1" Bearing ID
	GWK-L50-CK	Comp. Wheel Kit, Incl (2) LR Assy, (2) Assy W/ Bearings, Axles and Fasteners		10236-R-A-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings, 1" Bearing ID
2	10237	Snap Ring		10236-R-N-A	Steer Wheel Assembly, Nylon W/ Bearings, 1" Bearing ID
3	10238-B	Ball Bearing (OEM Wheel Only)	44	10240	Steer Wheel Axle, 8" Length, 1" OD (for Roller Bearing)
4	10239	Washer	45 A B C	10261	Ball
5	10240-E	Steer Wheel Axle, 25mm OD	45 A B C	10261-A	Ball
6	10236-C	Hub Cap	46	10276-A	Handle Assembly
7	10250	Pump Piston Assembly	47	10238-A	Flanged Bearing
8	10253	Spring		10238-R	Roller Bearing (For OEM Wheel Only)
9 A B	10251	Scraper	48 A B	10259	O-Ring
10 A B	10252	U-Cup	49 A C	10260	Release Pin
11	10277-B	Sleeve	50	10257	Nut
12	10277-A	Roll Pin	51	10257-B	Screw
13 A B C	10261	Ball	52 A	10257-A	Washer
14 A C	10262	Valve	53 A C	10255	Spring
15 A C	10263	Roll Pin	54 A B C	10254	Ball
16 A C	10266	Screw Plug	55 A C	10258	Spring
17 A B	10265	O-Ring	56 A B	10259-A	Washer
18 A C	10264	Spring	57	10267	Filler Plug
19	10274-E	Handle Cap	58 A B	10246	U-Cup
20 A B	10256	O-Ring	59 A B	10249	U-Cup
21	10274-B	Control Lever	60 A B	10245	Scraper
22	10274-D	Roll Pin	61	10243	Ram *49.00
23	10274-A	Control Rod	62	10244	Ball
24	10273	Pin	64	10274-F	Bolt
25	10272	Chain	65	10274-G	Lock Washer
26	10206	Bushing	66	10241	Washer
27	10270	Lower Control Rod	67	10234-A	Washer
28	10271	Adjusting Nut	KITS A	10278-SUPER	Super Seal Kit
29	10274-S	Roll Pin	KITS B	10278	Seal Kit
30	10274-R	Roller	KITS C	10279	Seal Kit (Ball and Valve Kit)
31	10275	Shoulder Bolt (Hex Head)		HU LF L50	Rebuilt Hydraulic Unit - Exchange
	10275-A	Shoulder Bolt (Allen Head)		B40217	Brake Cable Assembly
32	10203	Bushing		B40220	Brake Wheel
	10203-A	Bushing			
34	10274-P	Pin			
35	10274-C	Spring			
36	10233	Spacer			
37	10269	Roll Pin			
38	10268	Release Lever			
39	10242	Roll Pin			
40	10234	Thrust Bearing			

Lift-Rite (Big Joe) L-55 Frame



Lift-Rite (Big Joe) L-55 Hydraulic Unit



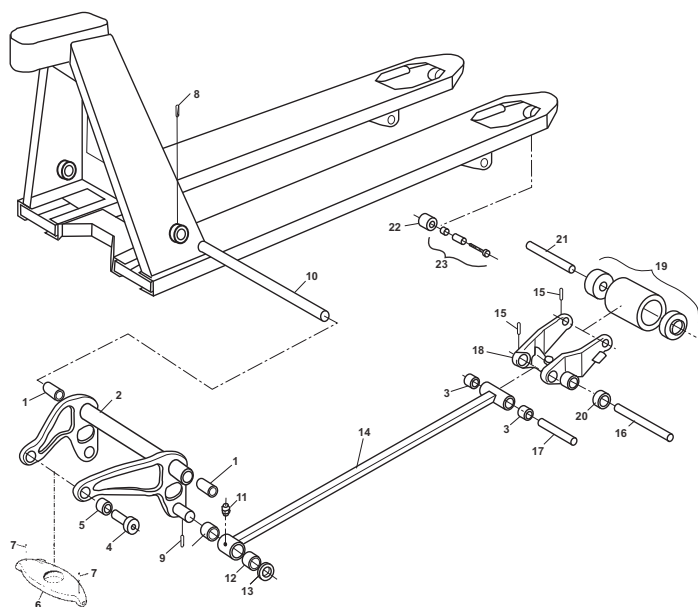
Lift-Rite (Big Joe) L-55 Frame

Item#	Part#	Description	Item#	Part#	Description
1	20204	Pin	15	20224x36	Push Rod, 36" Forks (5,500 lbs.)
2	20269	Split Pin		20224x42	Push Rod, 42" Forks (5,500 lbs.)
3	20232	Snap Ring		20224x48	Push Rod, 48" Forks (5,500 lbs.)
4	20203A	Lifting Link Bushing	16	20212	Load Roller Brackets (Pair; with Bushings)
5	20201	Lifting Link, 20.5" Wide Jack	17	20203	Bushing
	20202	Lifting Link, 27" Wide Jack	19	20220	Exit Roller
6	20207	Thrust Plate Shoulder Pin	20	20219	Pivot Axle
7	20206	Bushing	21	20218	Lock Nut
8	20231	Traverse	22	20214	Load Roller Bearing
9	10205	Roll Pin	23	20210D-A	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 2.9" Dia.
10	20227	Eye Bolt Pin		20210P-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 2.9" Dia.
11	10269	Roll Pin		20210N-A	Load Roller Assembly, Nylon W/ Bearings, 2.9" Dia.
12	20226	Eye Bolt (Includes Bushing)		20210S-A	Load Roller Assembly, Steel W/ Bearings, 2.9" Dia.
13	20226A	Bushing		GWK-L55-LW	Load Wheel Kit, Incl. (2) Load Roller Assy W/ Bearings, Axles and Fasteners, 2.9" Dia.
14	10224AF	Jam Nut	24	20215	Axle Assembly

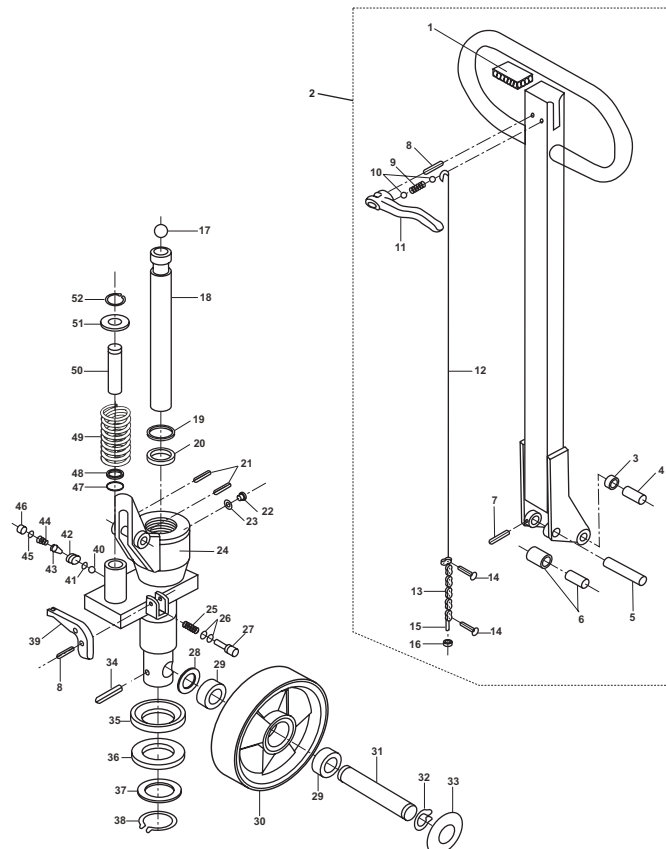
Lift-Rite (Big Joe) L-55 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
1	20274E	Handle Cap	22	10267	Filler Plug	33	10236-C	Hub Cap
2	20276	Handle Assembly (Incl. Items 1-16)	23 A C	10259	O-Ring	34	10242	Roll Pin
3	20306	Bushing	24	20277	Hydraulic Unit	35	10233	Spacer
4	20275	Handle Bracket Pin	25 B C	10258	Spring	Item#	Part#	Description
5	20274P	Pin	26 A C	10259	O-Ring	36	10234	Thrust Bearing
6	20274RA	Roller Complete with Bushing	27 B C	10260	Release Pin	37	10234-A	Washer
7	20274RB	Split Pin	28	10239	Washer	38	10235	Snap Ring
8	10269	Split Pin	29	10238-D	Ball Bearing	39	10268	Release Lever
9	20274C	Spring	30	20236-B-A-HD	Steer Wheel Assembly red ultra poly on aluminum hub w/bearings	40 ABC	10261-A	Ball
10	10254	Ball		20236-B-A-ST	Steer Wheel Assembly, black poly on nylon hub w/bearings	41 ABC	10256	O-Ring
11	20274BD	Control Lever (Incl. Items 9-10)		20236N	Steer Wheel Assembly, Nylon W/ Bearings	42 B C	20262	Cone Valve
12	20274A	Control Rod		20236S	Steer Wheel Assembly, Steel W/ Bearings	43 ABC	20261	Cone
13	20272	Chain		GWK-L55-CK	Complete Wheel Kit, 2 load roller assy	44 B C	10264	Spring
14	10273	Pin		20240-E	Steer Wheel Axle, 25mm OD	45 A C	10265	O-Ring
15	10270	Lower Control Rod	31	10240-E	Steer Wheel Axle, 25mm OD	46 B C	10266	Screw Plug
16	10271	Adjusting Nut	32	10237	Snap Ring	47 A C	10252	U-Cup
17	10244	Ball				48 A C	10251	Scraper
18	20243	Ram Piston				49	20253	Handle Return Spring
19 A C	20249	Top Seal				50	20250A	Pump Piston
20 A C	10246	U-Cup				51	10250B	Spring Cap
21	20274S	Split Pin				52	10250C	Snap Ring

Lift-Rite (Big Joe) LRP 5000 Frame



Lift-Rite (Big Joe) LRP 5000 Hydraulic Unit



Lift-Rite (Big Joe) LRP 5000 Frame

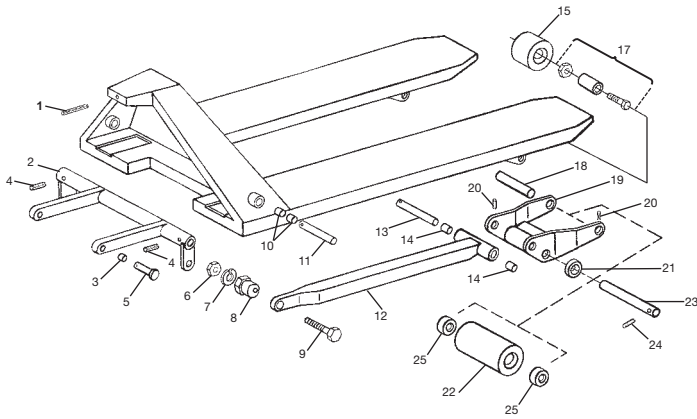
Item#	Part#	Description
1	PL90503A	Bushing
2	PL90802B	Lifting Link, 20.5" Wide Jack
	PL90802A	Lifting Link, 27" Wide Jack
3	PL90525A	Bushing
4	PL10207	Shoulder Pin
5	PL90806	Bushing
6	PL20231	Traverse
7	PL10205	Split Pin
8	PL90569E	Roll Pin
9	PL90569D	Roll Pin
10	PL90504A	Axle For Torsion Tube, 27" Wide Jack
	PL90504B	Axle For Torsion Tube, 20.5" Wide Jack
11	PL10236PRES	Lube Fitting
12	PL90526A	Bushing
13	PL90527A	Washer
14	PL90524x36	Push Rod, 36" Fork Length

Item#	Part#	Description
	PL90524x42	Push Rod, 42" Fork Length Special Order
	PL90524x48	Push Rod, 48" Fork Length
15	PL90569F	Roll Pin
16	PL90519	Axle
17	PL90525B	Axle
18	PL90512	Load Roller Bracket W/ Bushings
19	PL20210P-B-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
	PL20210P-B	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings
	PL20210N-B	Load Roller Assembly, Nylon W/ Bearings
	PL20210S-B	Load Roller Assembly, Steel W/ Bearings
	GWK-LRP-LW	Load Wheel Kit, Incl. (2) Poly Load Roller Assembly W/ Bearings, Axles and Fasteners
20	PL90520	Steel Exit Roller
21	PL90515	Axle
22	PL10281	Entry Roller
23	PL10285	Axle Assembly W/ Sleeve and Nut

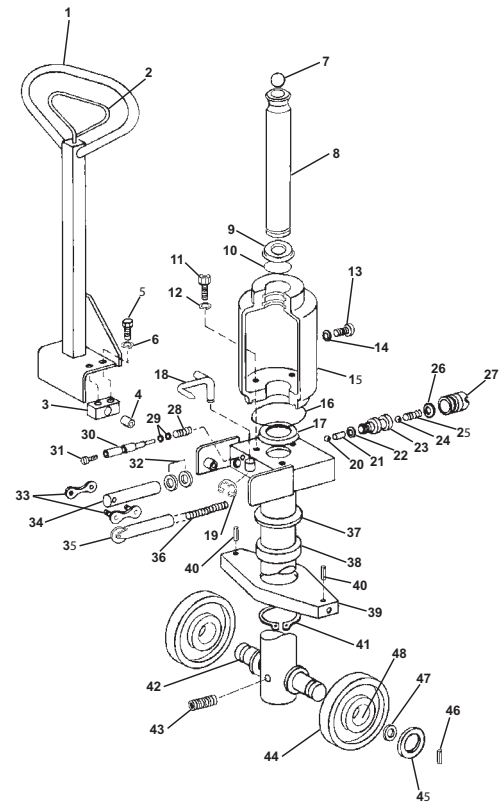
Lift-Rite (Big Joe) LRP 5000 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
1	PL20274E	Handle Cap	22	10267	Filler PLug	36	10234	Thrust Bearing
2	PL20276	Handle Assembly (Incl. Items 1-16)	23 A C	10259	O-Ring	37	10234-A	Washer
3	PL20306	Bushing	24	20277	Hydraulic Unit	38	10235	Snap Ring
4	PL20275	Handle Pin	25 B C	10258	Spring	39	10268	Release Lever
5	PL20274P	Pin	26 A C	10259	O-Ring	40 A B C	10261-A	Ball
6	PL20274RA	Roller Complete with Bushing	27 B C	10260	Release Pin	41 A B C	10256	O-Ring
7	PL20274RB	Split Pin	28	10239	Washer	42 B C	20262	Cone Valve
8	PL10269	Split Pin	29	10238-D	Ball Bearing	43 A B C	20261	Cone
9	PL20274C	Spring	30	20236-B-A-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings	44 B C	10264	Spring
10	PL10254	Ball		20236-B-A-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings	45 A C	10265	O-Ring
11	PL20274BD	Control Lever		20236N	Steer Wheel Assembly, Nylon W/ Bearings	46 B C	10266	Screw PLug
12	PL20274A	Control Rod		20236S	Steer Wheel Assembly, Steel W/ Bearings	47 A C	10252	U-Cup
13	PL20272	Chain		GWK-LRP-CK	Complete Wheel Kit, (2) Load Roller Assy (2) SteerAssy W/ Bearings, Axles and Fasteners	48 A C	10251	Scraper
14	PL10273	Pin	31	10240-E	Steer Wheel Axle, 25mm OD	49	20253	Handle Return Spring
15	PL10270	Lower Control Rod	32	10237	Snap Ring	50	10250	Pump Piston Assembly
16	PL10271	Adjusting Nut	33	10236-C	Hub Cap	51	10250B	Spring Cap
17	10254	Ball	34	10242	Roll Pin	52	10250C	Snap Ring
18	20243	Ram Piston	35	10233	Spacer	KITS A	20278	Seal Kit
19 A C	20249	Top Seal				KITS B	20279	Seal Kit (Ball and Valve kit)
20 A C	10246	U-Cup				KITS C	20280	Seal Kit
21	20274S	Split Pin				HU LF L55		Rebuilt Hydraulic Unit - Exchange

Magnum (Intrupa) 5000 Frame



Magnum (Intrupa) 5000 Hydraulic Unit



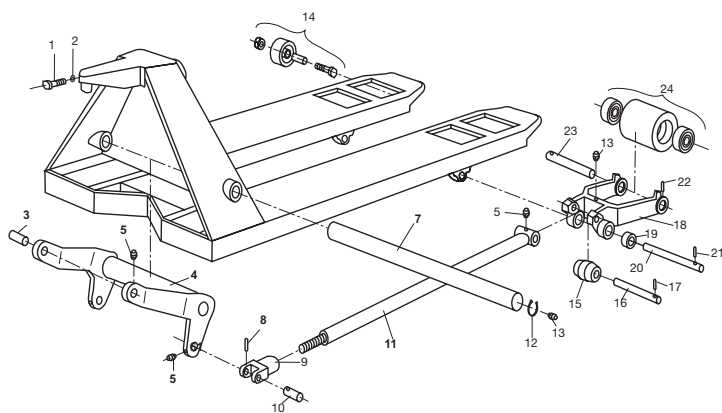
Magnum (Intrupa) 5000 Frame

Item#	Part#	Description	Item#	Part#	Description
1	520	Roll Pin	15	545	Entry Roller
2	522	Lifting Link, 27" Wide Jack	17	546	Bushing and Axle Assembly
	523	Lifting Link, 20-1/2" Wide Jack	18	540	Axle
3	108	Bushing	19	541	Load Roller Bracket
4	526	Roll Pin	20	542	Roll Pin
5	525	Pin	21	544	Exit Roller
6	529	Lock Nut	22	537-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings
7	519	Lock Washer		536-A	Load Roller Assembly, Nylon W/ Bearings
8	527	Eccentric Pin		538-A	Load Roller Assembly, Steel W/ Bearings
9	528	Bolt	23	543	Axle
10	521	Bushing	24	152	Roll Pin
11	530	Lifting Link Pin	25	539	Bearing
12	535	Push Rod, 48" Forks			
13	531	Pin			
14	108	Bushing			

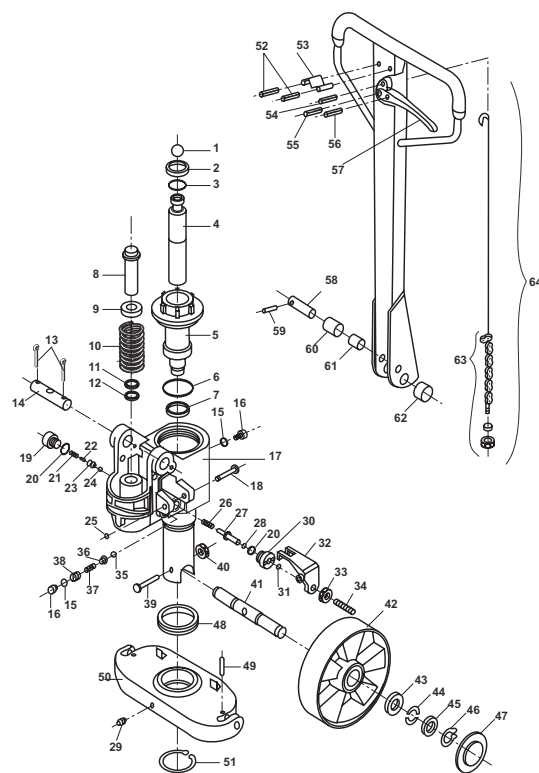
Magnum (Intrupa) 5000 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
1	105	Handle Assembly	22 A B	123	O-Ring	43	146	Screw
2	106	Control Lever	23 A	135	Valve			
3	107	Bearing Block	24 A B	136	Ball			
4	108	Bushing	25 A B	137	Spring	44	148-A-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
5	109	Screw and Washer	26 A B	138	O-Ring		148-A-ST	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings
6	110	Lock Washer	27 A	139	Screw Plug		147-A	Steer Wheel Assembly, Nylon W/ Bearings
7	111	Ball	28 A B	122	Spring		149-A	Steer Wheel Assembly, Steel W/ Bearings
8	112	Ram	29 A B	123	O-Ring		148-HD	Steer Wheel Assy, Red Ultra Poly On Aluminum Hub W/ OEM Style Bearings
9 A B	114	Scraper	30 A	124	Valve Pin	45	151	Washer
10 A B	115	O-Ring	31 A	125	Adjusting Screw	46	152	Roll Pin
11	117	Screw	32 A B	126	Quad Ring	47	151-1	Bearing Retaining Washer
12	117-1	Lock Washer	33 A	128	Master Link		151-2	Bearing Retaining Washer (Wet Application)
13	118	Screw Plug	34 A	127	Pump Piston	48	150	Bearing
14 A B	123	O-Ring	35	129	Plunger	KITS A	153-SUPER	Super Seal Kit
15	113	Tank Reservoir	36 A	130	Spring	KITS B	153	Seal Kit
16 A B	116	O-Ring	37	141	Spacer		HU 5000	Rebuilt Hydraulic Unit - Exchange
17 A B	131	Seal	38	142	Traverse Bearing			
18	120	Valve Pin	39	143	Traverse			
19 A	121	Locking Ring	40	542A	Roll Pin			
20 A B	132	Ball	41	144	Snap Ring			
21 A	133	Roll Pin	42	145	Axle			

Mighty Lift 5500 Frame



Mighty Lift 5500 Hydraulic Unit



Mighty Lift 5500 Frame

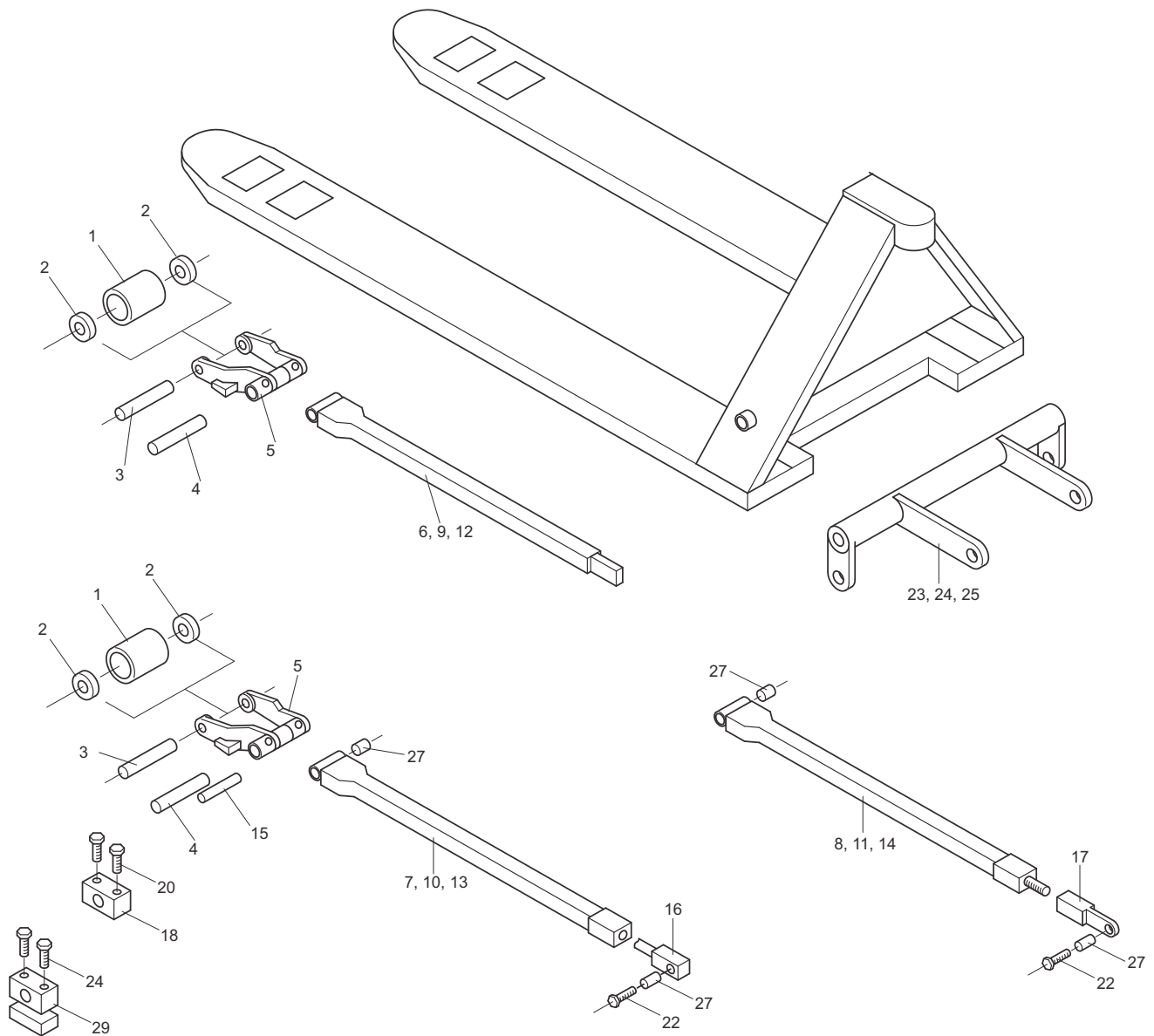
Item#	Part#	Description
1	B42	Bolt
2	B41	Lube Fitting
3	B14	Pin
4	B43	Lifting Link, 27" Wide Jack
5	B22	Lube Fitting
7	B20	Lifting Link Shaft, 27" Wide Jack
8	B16	Roll Pin
9	B17	Rod Fitting
10	B18	Pin
11	B19	Push Rod
12	B21	Retaining Ring
13	B15	Lube Fitting
14	B36A	Entry Roller, Axle, Sleeve, Nut Assembly
15	B23	Exit Roller
16	B25	Shaft

Item#	Part#	Description
17	B24	Roll Pin
18	B31	Load Roller Bracket W/ Bushings
19	B28	Exit Roller
20	B26	Shaft
21	B27	Roll Pin
22	B30	Roll Pin
23	B29	Shaft
24	B35	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings
	B35-N	Load Roller Assembly, Nylon W/ Bearings
	B35-S	Load Roller Assembly, Steel W/ Bearings
	GWK-BF-LW	Load Wheel Kit, Incl. (2) Poly Load Roller Assy W/ Bearings, Axles and Fasteners
	B45	Tandem Load Roller Wheel Assembly

Mighty Lift 5500 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
1	B146	Ball	22 A	B122	Spindle of Damping Valve	42	B8	Steer Wheel Assembly
2	B145	Wiper	23 A	B123	Seat of Damping Valve			Poly On Nylon Hub W/ Bearings
3	B144	O-Ring	24 A	B124	Steel Ball			Complete Wheel Kit, 2 load
4	B152	Piston Rod	25	B153	Retaining Ring	42	GWK-BF-CK	roller assy, steer wheel assembly w/bearings, axles and fasteners
5	B143	Cylinder Cap	26	B128	Spring	43	B9	Bearing
6	B142	O-Ring	27	B129	Release Pin	44	B10	Half Cirque
7	B141	U-Cup	28 A	B130	O-Ring	45	B11	Washer
8	B147	Pump Piston	29	B15	Lube Fitting	46	B12	Retaining Ring
9	B148	Washer	30	B131	Sleeve	47	B13	Dust Cover
10	B149	Spring	31 A	B132	O-Ring	48	B4	Thrust Bearing
11	B150	Wiper	32	B135	Lever Plate	49	B6	Spring Pin
12	B151	U-Cup	33	B134	Nut	50	B5	Traverse
13	B117	Bolt and Washer	34	B133	Set Screw	51	B7	Retaining Ring
14	B118	Handle Pivot Pin	35	B139	Steel Ball	52	B102	Roll Pin
15 A	B126	Snap Ring	36	B138	Ball Valve Seat	53	B101	Blade Spring
16	B127	Screw Plug	37	B137	Spring	54	B104	Roll Pin
17	BP 10	Hydraulic Pump	38	B136	Bolt	55	B105	Roll Pin
18	B140	Lever Plate Bolt	39	B3	Bolt	56	B106	Roll Pin
19	B119	Screw Plug	40	B44	Nut	57	B107	Control Lever
20 A	B120	Copper Washer	41	B2	Steer Wheel Axle	58	B109	Handle Pin
21	B121	Spring						

Mobile ML45 Mini & Miney Frame

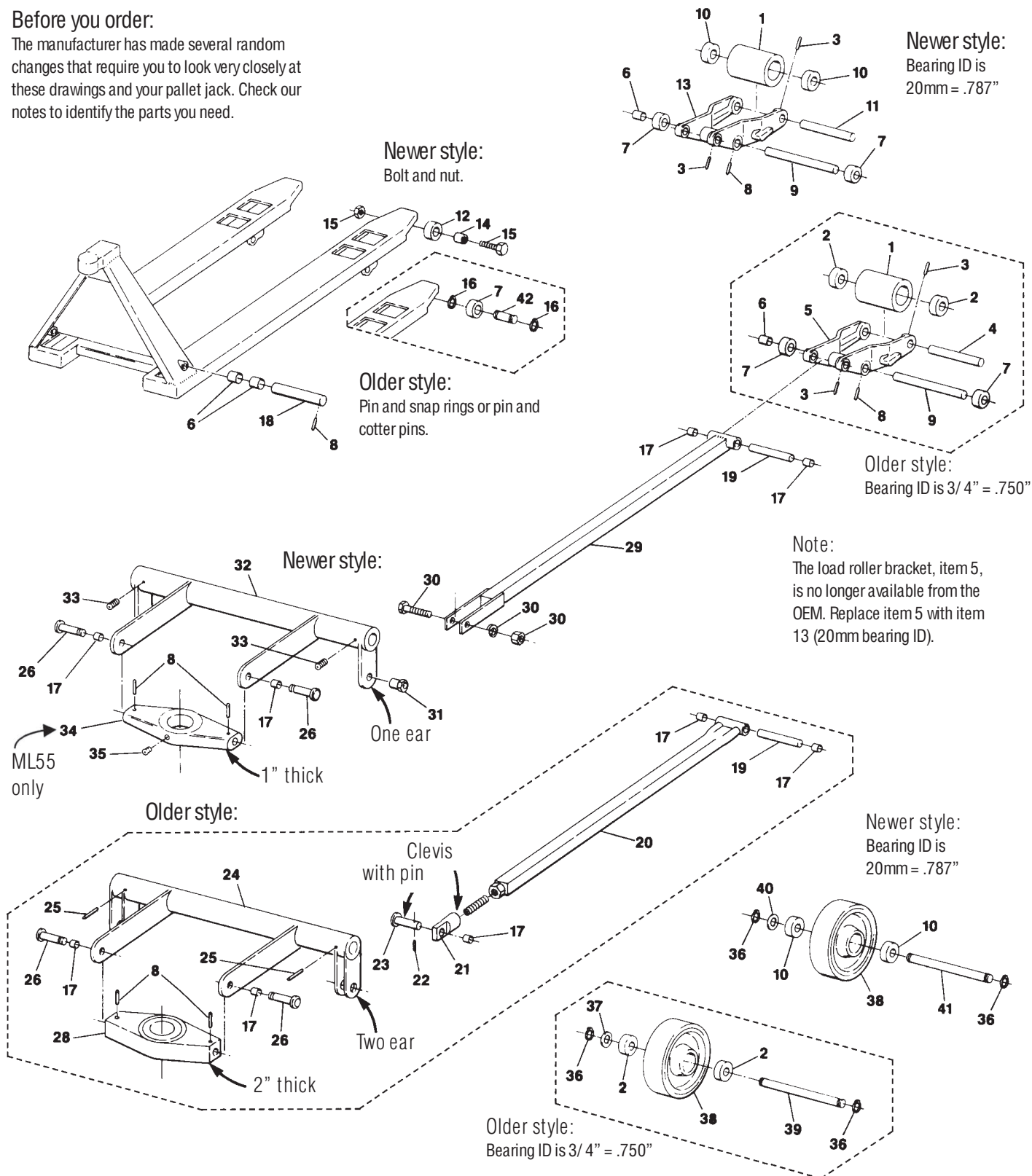


Mobile ML45 Mini & Miney Frame

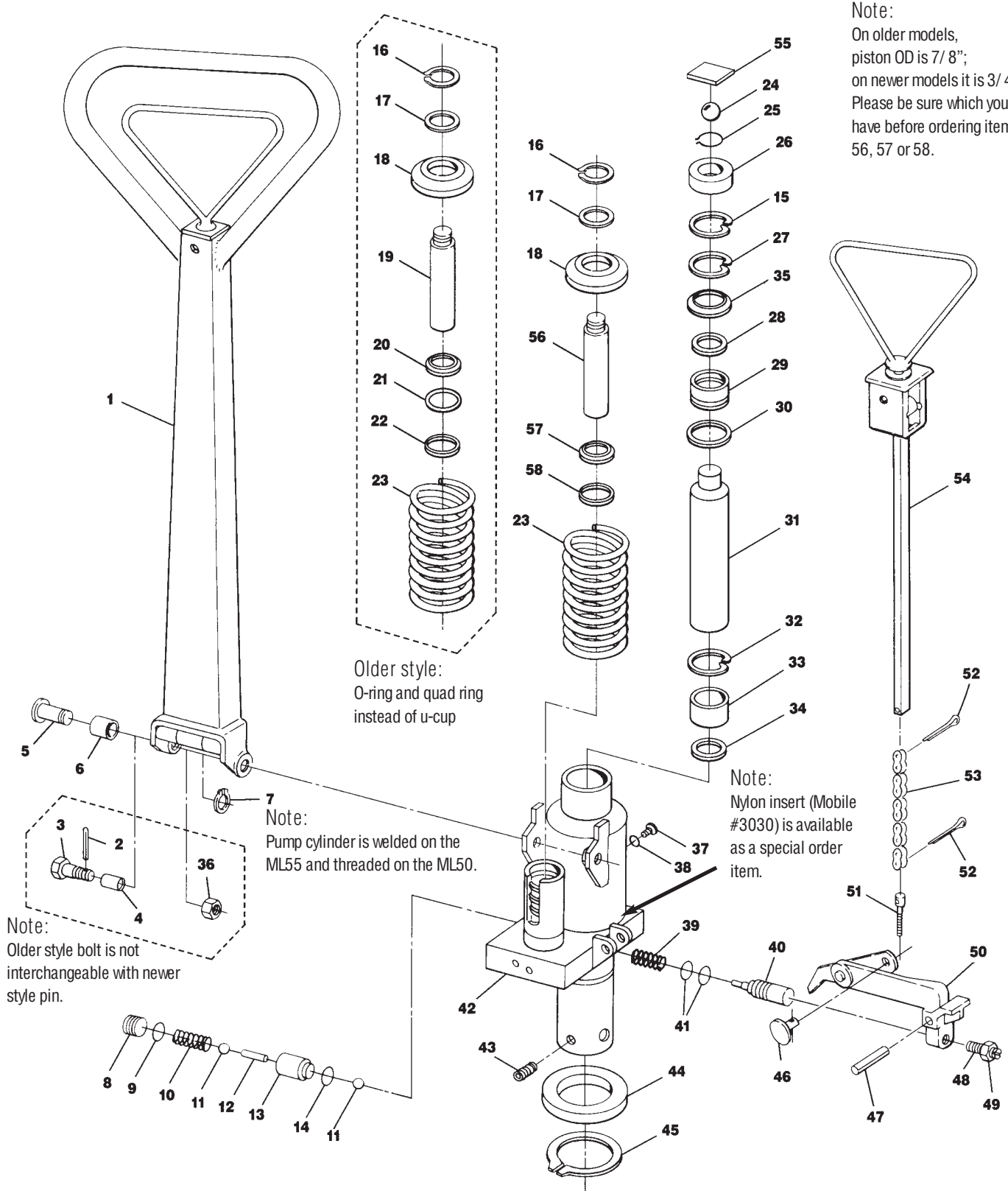
Item#	Part#	Description	Item#	Part#	Description
1	M200	Load Roller, Steel	20	M551	Screw
2	M210	Bearing	21	M551-1	Screw
3	M211	Axle	22	M605	Pin
4	M214	Hanger Axle	23	M650	Bell Crank, 20.5" Wide Jack
5	M400	Hanger Special Order	24	M651	Bell Crank, 27" Wide Jack
6	M500	Push Rod, 36" Special Order	25	M652	Bell Crank, 32" Wide Jack
7	M500-1	MK2 Push Rod, 36" Forks Special Order	27	606	Bushing
8	M500-2	MK3 Push Rod, 36" Forks Special Order			
9	M501	Push Rod, 42" Forks Special Order			
10	M501-1	MK2 Push Rod, 42" Forks Special Order			
11	M501-2	MK3 Push Rod, 42" Forks Special Order			
12	M502	Push Rod, 48" Forks Special Order			
13	M502-1	MK2 Push Rod, 48" Forks Special Order			
14	M502-2	MK3 Push Rod, 48" Forks Special Order			
15	M515	Pin			
16	M520	Clevis			
17	M521	Clevis			
18	M550	Pillar Block			
19	M550-1	Pillar Block			

Before you order:

The manufacturer has made several random changes that require you to look very closely at these drawings and your pallet jack. Check our notes to identify the parts you need.



Mobile ML55, ML45 Mini & Miney Hydraulic Unit



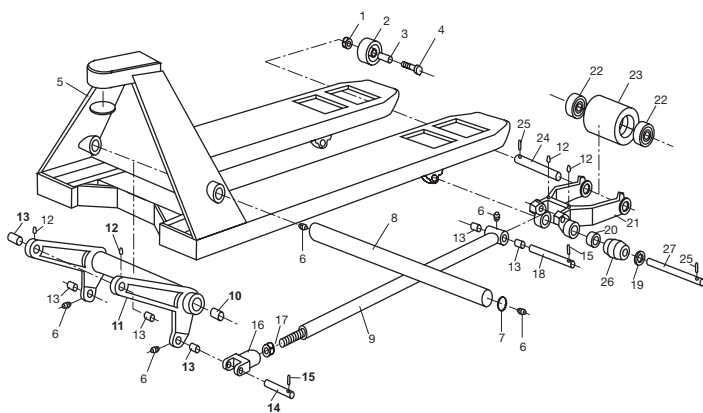
Mobile ML55 Frame

Item#	Part#	Description	Item#	Part#	Description
1	203/210-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 3/4" ID Bearing	501		Push Rod, 42" Forks Special Order
	203/210-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 3/4" ID Bearing	502		Push Rod, 48" Forks
	204/210-A	Load Roller Assembly, Nylon W/ Bearings, 3/4" ID Bearing	21	520	Clevis
	200/210-A	Load Roller Assembly, Steel W/ Bearings, 3/4" ID Bearing	22	404	Roll Pin
	203/210-1-A	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 20mm ID Bearings	23	512	Pin
	203/210-1-A-S	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 20mm ID Bearings	24	650	Lifting Link, 20-1/2" Wide Jack Special Order
	204/210-1-A	Load Roller Assembly, Nylon W/ Bearings, 20 mm ID Bearing		651	Lifting Link, 27" Wide Jack Special Order
	200/210-1-A	Load Roller Assembly, Steel W/ Bearings, 20 mm ID Bearing	25	612	Roll Pin
	GWK-ML55-LW	Load Wheel Kit, Incl. (2) Load Roller Assy W/ Bearings, Axles and Fasteners	26	605	Shoulder Pin
	203M-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 2" Dia.	28	2009	Traverse
	M200-S-A	Load Roller Assembly, Steel W/ Bearings, 2" Diameter Bearing, 3/4" ID	29	505	Push Rod, 48" Forks (Newer Style)
2	210	Roll Pin	30	526	Bolt, Nut and Washer
3	404	Roll Pin	31	525	Eccentric
4	211	Load Roller Axle	32	655	Lifting Link, 20-1/2" Wide Jack Special Order
5	400	Load Roller Bracket, N/A Replace W/ Item 13		656	Lifting Link, 27" Wide Jack Special Order
6	610	Bushing	33	2053	Set Screw
7	402	Entry or Exit Roller	34	657	Traverse (ML 55 Only) Special Order
8	609	Roll Pin	35	658	Grease Fitting
9	214	Pivot Axle	36	2050	Snap Ring
10	210-1	Bearing	37	103	Washer
11	211-1	Load Roller Axle	38	101/210-A-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 3/4" ID Bearing
12	300	Entry Roller		101/210-A-ST	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings, 3/4" ID Bearing
13	400-1	Load Roller Bracket (Newer Style)		100/210-A	Steer Wheel Assembly, Steel W/ Bearings, 3/4" ID Bearing
14	311	Bushing		101/210-1-A	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 20mm ID Bearings
15	310	Bolt and Nut		101/210-1-A	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings, 20mm ID Bearings
16	2050	Snap Ring		100/210-1-A	Steer Wheel Assembly, Steel W/ Bearings, 20 mm ID Bearing
	303	Cotter Pin		GWK-ML55-CK	Complete Wheel Kit, Incl. (2) Load Rollers, (2) Steel Wheels W/ Bearings, Axles and Fasteners
17	606	Bushing	39	104	Steer Wheel Axle, 3/4" Diameter
18	611	Lifting Link Shaft (Older Style)	40	103-1	Washer
	611-1	Lifting Link Shaft (Newer Style)	41	104-1	Steer Wheel Axle, 20mm Diameter
19	515	Push Rod Axle	42	302	Pin
20	500	Push Rod, 36" Forks Special Order			

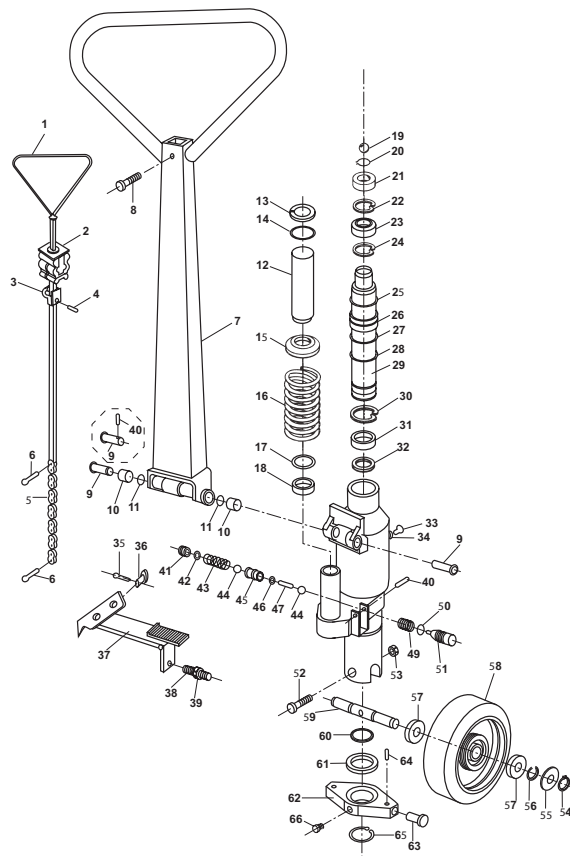
Mobile ML55, ML45 Mini & Miney Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1	3022-1	Handle Assembly (Newer Style)	42	HU MO ML55	Rebuilt Hydraulic Unit, Exchange
2	2037	Roll Pin	43	2053	Set Screw
3	2034	Handle Bolt	44	2010	Traverse Bearing
4	2035	Bushing	45	2008	Snap Ring
5	2034-1	Handle Pin	46	3016	Chain Connector Pin
6	606	Bushing	47	2031	Roll Pin
7	3027	Snap Ring	48	2026	Adjusting Screw
8 A	3004	Screw Plug	49	2025	Nut
9 A B	3003	O-Ring	50	3015	Release Lever
10 A B	2023	Spring	51	3014	Chain Connector
11 A B	2022	Ball	52	303	Cotter Pin
12 A B	3002	Roll Pin	53	3017	Chain
13 A	3000	Valve	54	3018-1	Control Rod
14 A B	3001	O-Ring	55	1996	Plate
15	3031	Snap Ring	56	3019	Piston, 7/8" OD (Older Style)
16	2050	Snap Ring		3075	Piston, 3/4" OD (Newer Style)
17	2051	Washer	57 A B	2017	Scraper, 7/8" ID (Older Style)
18	2052	Spring Cap	A B	3077	Scraper, 3/4" ID (Newer Style)
19	3019	Piston, 7/8" OD (Older Style)	58 A B	3020-1	U-Cup, 7/8" ID (Older Style)
20 A B	2017	Scraper, 7/8" ID (Older Style)	A B	3076	U-Cup, 3/4" ID (Newer Style)
21 A B	2015	O-Ring	KITS A	3025-SUPER	Super Seal Kit
22 A B	3020	Quad Ring	KITS B	3025	Seal Kit
23	3021	Spring		HU MO ML55	Rebuilt Hydraulic Unit - Exchange
24	1997	Ball			
25	1998	Snap Ring			
26	1999	Bearing			
27	2047	Snap Ring			
28 A B	2002	O-Ring			
29	2003	Bushing			
30 A B	2004	O-Ring			
31	2000C	Ram (Universal Older and Newer)			
32	1995	Snap Ring			
33	1993	Bushing 1-1/2" (Older Style)			
	1993-1	Bushing 1/2" (Newer Style)			
34 A B	2007	U-Cup			
35 A B	1994	Scraper			
36	2036	Nut			
37	2005	Filler Plug			
38 A B	2006	O-Ring			
39 A B	2028	Spring			
40	2029	Release Pin			
41 A B	2030	O-Ring			

Mobile MLX55 Frame



Mobile MLX55 Hydraulic Unit



Mobile MLX55 Frame

Item#	Part#	Description
1	120X405	Nut
2	120X402	Entry Roller
3	120X311	Sleeve
4	120X310	Bolt
5	12X1996	Spacer Plate
6	120X659	Grease Fitting (Threaded)
7	120X613	Retaining Ring
8	120X618	Bell Crank Shaft
9	120X502	Push Rod, 32" Forks Special Order
	120X503	Push Rod, 36" Forks Special Order
	120X504	Push Rod, 42" Forks Special Order
	120X505	Push Rod, 48" Forks
10	120X616	Bushing
11	120X655	Bell Crank, 20-1/2" Fork Width Special Order
	120X656	Bell Crank, 27" Fork Width

Item#	Part#	Description
12	120X658	Oil Fitting
13	120X606	Bushing
14	120X526	Pivot Pin
15	120X607	Roll Pin
16	120X520	Clevis
17	120X521	Nut
18	120X515	Push Rod Pin
19	120X614	Exit Roller
20	120X615	Bushing
21	120X400	Load Roller Bracket
22	120X210	Bearing
23	120X205-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
	120X205-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings

Item#	Part#	Description
23	GWK-MLX55-LW	Load Wheel Kit, Incl. (2) Load Roller Assemblies W/ Bearings, Axles and Fasteners
24	120X211	Load Wheel Axle
25	120X608	Roll Pin
26	120X407	Exit Roller
27	120X214	Bracket Axle

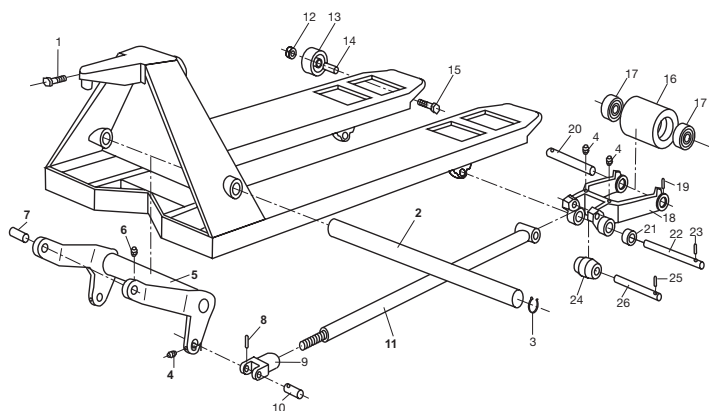
Mobile MLX55 Hydraulic Unit

Item#	Part#	Description
1	12X3018	Control Rod
2	12X3040	Control Box
3	12X3041	Slide Rest
4	12X3042	Roll Pin
5	12X3017	Chain
6	120X303	Cotter Pin
7	12X3022	Handle Assembly, Complete
8	12X3011	Screw
9	12X2034	Handle Pin (One Each of Old and New Style)
10	120X606	Bushing
11	12X3027	Locking Ring
12	12X3075	Pump Piston
13	12X2050	Locking Ring
14	12X2051	Washer
15	12X2052	Cover
16	12X3021	Spring
17 A	12X3077	Wiper
18 A	12X3076	U-Cup
19	12X1997	Ball
20	12X1998	Locking Ring
21	12X1999	Bearing
22	12X3031	Locking Ring
23	12X2056	Dust Cover
24	12X2047	Locking Ring
25 A	12X1994	Wiper
26	12X2003	Bearing
27 A	12X2004	Seal
28 A	12X2002	Seal
29	12X2000	Lift Piston
30	12X1995	Locking Ring
31	12X1993	Bushing
32 A	12X2007	U-Cup
33	12X2005	Filler Screw
34 A	12X2006	O-Ring
35	12X3014	Screw
36	12X3016	Connecting Pin
37	12X3015	Foot Control Assembly
38	12X2026	Adjusting Screw
39	12X2025	Lock Nut

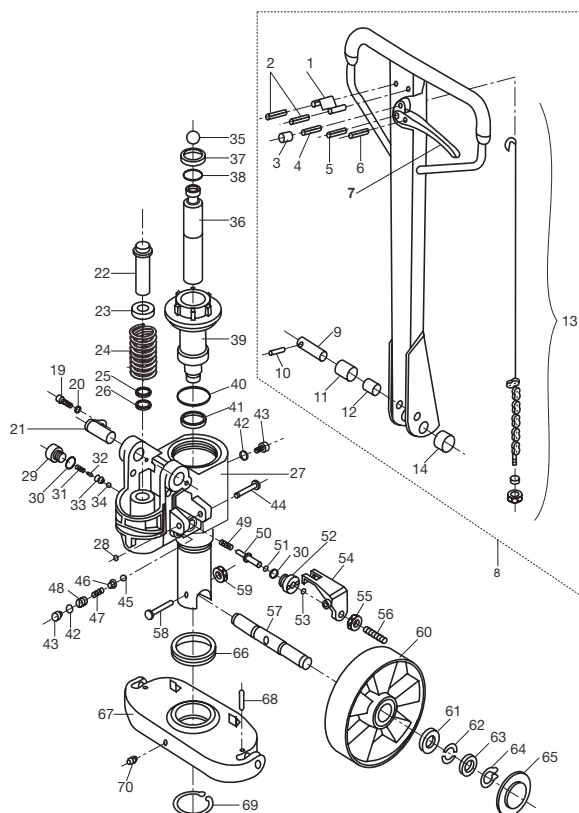
Item#	Part#	Description
40	12X2038	Roll Pin
41	12X3004	Screw Plug
42 A	12X3003	O-Ring
43 A	12X2023	Spring
44 A	12X2022	Ball Valve
45	12X3000	Valve Cartridge
46 A	12X3001	O-Ring
47 A	12X3002	Pin
49 A	12X2028	Spring
50 A	12X2030	O-Ring
51	12X2029	Control Pin
52	12X2053	Bolt
53	12X2054	Nut
54	12X2050	Locking Ring
55	120X103	Washer
56	120X110	Half Round Locking Ring
57	120X210	Bearing
58	120X105-A-HD	Steer Wheel Assembly Red Ultra Poly On Aluminum Hub W/ Bearings

Item#	Part#	Description
58	120X105-A-ST	Steer Wheel Assembly Poly On Nylon W/ Bearings Complete Wheel Kit Incl.
	GWK-MLX55-CK	2 load rollers, 2 steer wheels w/bearings, axles and fasteners
59	120X104	Steer Wheel Axle
60	12X2011	Spacer
61	120X2010	Thrust Bearing
62	120X657	Thrust Plate *\$59.00
63	120X605	Pivot Pin
64	120X607	Roll Pin
65	12X2008	Locking Ring
66	120X659	Grease Fitting (Threaded)
KITS A	12X3025	Seal Kit
	HU MO MLX55	Rebuilt Hydraulic Unit - exchange

Mobile ECO I-55 Frame



Mobile ECO I-55 Hydraulic Unit



Mobile ECO I-55 Frame

Item#	Part#	Description
1	120E42	Bulkhead Bolt
2	120E20	Bell Crank Shaft
3	120E21	Locking Ring
4	120E15	Grease Fitting (Threaded)
5	120E43	Lifting Link, 27" Wide Jack
6	120E22	Oiler
7	120E14	Bell Crank Pin
8	120E16	Roll Pin
9	120E17	Joint
10	120E18	Joint Pin
11	120E19	Push Rod
12	120E39	Nut
13	120E38	Entry Roller
14	120E37	Sleeve
15	120E36	Bolt, Front Guide Roller

Item#	Part#	Description
16	120E35-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 20 mm Bearing ID
	120E35-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 20 mm Bearing ID
	120E35N-A	Load Roller Assembly, Nylon W/ Bearings, 20 mm Bearing ID
	120E35S-A	Load Roller Assembly, Steel W/ Bearings
	GWK-ECO-LW	Load Wheel Kit, Includes (2) Load Roller Assy W/ Bearings, Axles and Fasteners
17	120E9	Bearing
18	120E31	Hanger Bracket
19	120E30	Roll Pin
20	120E29	Roller Axle
21	120E28	Rear Guide Roller
22	120E26	Hanger Axle

Item#	Part#	Description
23	120E27	Roll Pin
24	120E23	Exit Roller
25	120E24	Roll Pin
26	120E25	Push Rod Axle

Mobile ECO I-55 Hydraulic Unit

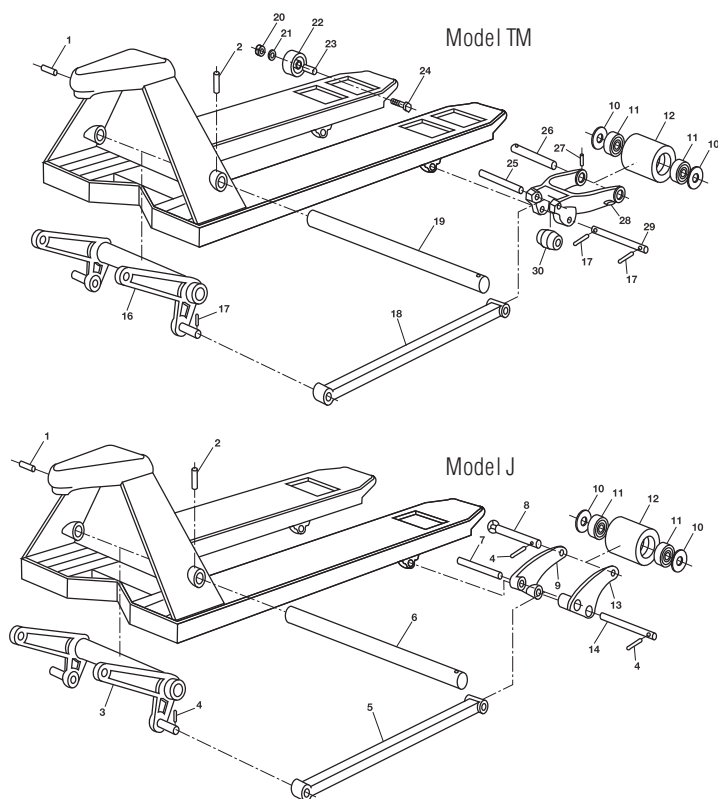
Item#	Part#	Description
1	12E101	Control Handle Spring
2	12E102	Roll Pin
3	12E103	Control Handle Roller
4	12E104	Roll Pin
5	12E105	Roll Pin
6	12E106	Screw Plug
7	12E107	Control Lever
8	12E101	Handle Assembly
9	12E109	Handle Pin
10	12E110	Roll Pin
11	12E111	Handle Pressure Roller
12	12E112	Handle Pin Bushing
13	12E113-A	Control Handle Rod Assembly
14	12E114	Handle Bushing
19	12E117	Screw
20	12E153	Lock Washer
21	12E118	Handle Pivot Pin
22	12E147	Pump Piston
23	12E148	Washer
24	12E149	Handle Return Spring

Item#	Part#	Description
25 A	12E150	Wiper
26 A	12E151	U-Cup
27	120E0	New Replacement Pump Rebuilt Pump Assy-Exchange
28	12E154	Retaining Ring
29	12E119	Screw Plug
30 A	12E120	Copper Washer
31	12E121	Spring
32	12E122	Damping Valve Spindle
33	12E123	Damping Valve Seat
34	12E124	Ball
35	12E146	Ball
36	12E152	Lift Piston
37 A	12E145	Wiper
38 A	12E144	O-Ring
39	12E143	Cylinder Cap
40 A	12E142	O-Ring
41 A	12E141	U-Cup
42 A	12E126	Copper Washer
43	12E127	Bolt

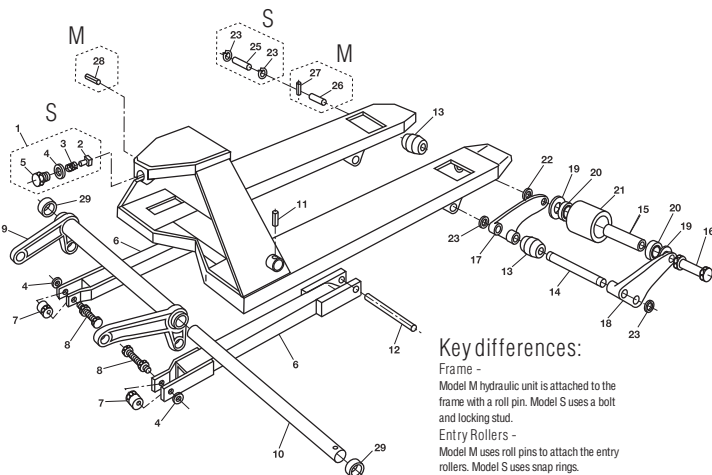
Item#	Part#	Description
44	12E140	Lever Plate Bolt
45	12E139	Ball, Valve
46	12E138	Ball Valve Seat
47	12E137	Spring
48	12E136	Bolt
49	12E128	Spring
50	12E129	Strike Pin
51 A	12E130	O-Ring
52	12E131	Sleeve
53 A	12E132	O-Ring
54	12E135	Lever Plate
55	12E134	Ball
56	12E133	Adjusting Screw
57	120E2	Steer Wheel Axle
58	120E3	Steer Axle Bolt
59	120E44	Steer Axle Nut
60	120E8-A-HD	Steer Wheel Assembly Red Ultra Poly on aluminum hub w/bearings
	MO 120E8-A-ST	Steer Wheel Assembly Poly on nylon hub w/bearings

Item#	Part#	Description
60	120E8N-A	Steer Wheel Assembly Nylon W/ Bearings
	120E8S-A	Steer Wheel Assembly Steel W/ Bearings
	GWK-ECO-CK	Complete Wheel Kit, Incl. 2 load rollers, 2 steer wheels w/bearings, axles and fasteners
61	120E9	Bearing
62	120E10	Locking Ring, Half Round
63	120E11	Lock Ring Cover
64	120E12	Locking Ring
65	120E13	Hub Cap
66	120E4	Thrust Bearing
67	120E5	Thrust Plate
68	120E6	Roll Pin
69	120E7	Locking Ring
70	120E41	Lube Fitting
KITS A	12E155	Seal Kit

Multiton TM and J Frame



Multiton M and S Frame



Multiton TM and J Frame

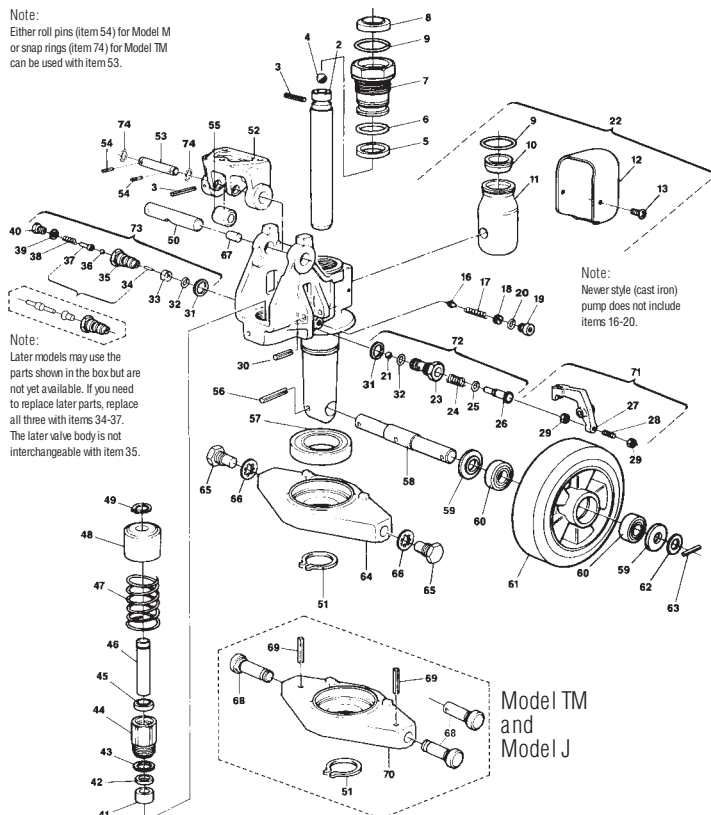
Item#	Part#	Description	Item#	Part#	Description
1	MU 05750211	Roll Pin	16	MU 95212-9	Lifting Link, 27" Wide Jack
2	MU 05759016	Roll Pin	17	MU 200013-510	Roll Pin
3	MU 91607-9	Lifting Link, 27" Wide Jack	18	MU 95213	Push Rod, 48" Forks
4	MU 05750220	Roll Pin	19	MU 95250-15	Lifting Link Shaft, 27" Wide Jack
5	MU 91610-9	Push Rod, 48" Forks	20	MU 0535001	Nut
6	MU 90150	Lifting Link Shaft, 27" Wide Jack	21	MU 0565005	Lock Washer
7	MU 91605	Push Rod Axle	22	MU 40197	Entry Roller
8	MU 91644	Load Roller Axle	23	MU 40196	Sleeve
9	MU 91626-1	Load Roller Bracket (Left)	24	MU 0405012	Bolt
10	MU 18968	Washer	25	MU 38688	Push Rod Axle
11	MU 06450071	Bearing	26	MU 38686	Load Roller Axle
12	MU 91619-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings	27	MU 05759011	Roll Pin
	MU 91619-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings	28	MU 95289	Load Roller Bracket
	MU 91619-S	Load Roller Assembly, Steel W/ Bearings	29	MU 38582	Pivot Axle
	MU 90317-A	Load Roller Assembly, Nylon W/ Bearings	30	MU 90350	Exit Roller
	MU 90332-A	Tandem Load Roller Assembly, Poly On Steel W/ Bearings		MU 90113-A	Brake Cable Assembly
	GWK-TM-LW	Load Wheel Kit, Incl. (2) Load Roller Assy W/ Bearings, Axles & Fasteners			
13	MU 91626-2	Load Roller Bracket (Right)			
14	MU 91604	Pivot Axle			

Multiton M and S Frame

Item#	Part#	Description	Item#	Part#	Description
1	MU 23126-A	Locking Stud Assembly	16	MU 190076	Axle Bolt and Lock Nut
2	MU 23126	Locking Stud	17	MU 20163-11	Load Roller Bracket (Left)
3	MU 20440	Spring	18	MU 20163-12	Load Roller Bracket (Right)
4	MU 0560002	Lock Washer	19	MU 18968	Washer
5	MU 23125	Bolt	20	MU 06450071	Bearing
6	MU 20208-9	Push Rod, 48" Forks	21	MU 325-P-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Sleeve, Bearings and Washers
7	MU 20204	Eccentric		MU 325-P	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Sleeve, Bearings and Washers
8	MU 190070	Bolt and Nut		MU 90320	Load Roller Assembly, Nylon W/ Sleeve, Bearings, Washers
9	MU 20639-20	Lifting Link, 20" Wide Jack		MU 325-S	Load Roller Assembly, Steel W/ Sleeve, Bearings, Washers
	MU 20639-27	Lifting Link, 27" Wide Jack		MU 325-TP	Tandem Load Roller Assembly, Poly On Steel W/ Bearings
10	MU 90150	Lifting Link Shaft, 27" Wide Jack	22	MU 0560002	Lock Washer
11	MU 05759016	Roll Pin	23	MU 06259059	Snap Ring
12	MU 19991	Push Rod Axle	25	MU 20260	Pin
13	MU 90350	Entry Roller	26	MU 25172	Pin
14	MU 19994	Pivot Axle	27	MU 192117	Roll Pin
15	MU 41118	Sleeve (Single)	28	MU 05750211	Roll Pin
	MU 20724	Sleeve (Tandem)	29	MU 90152-11	Bushing

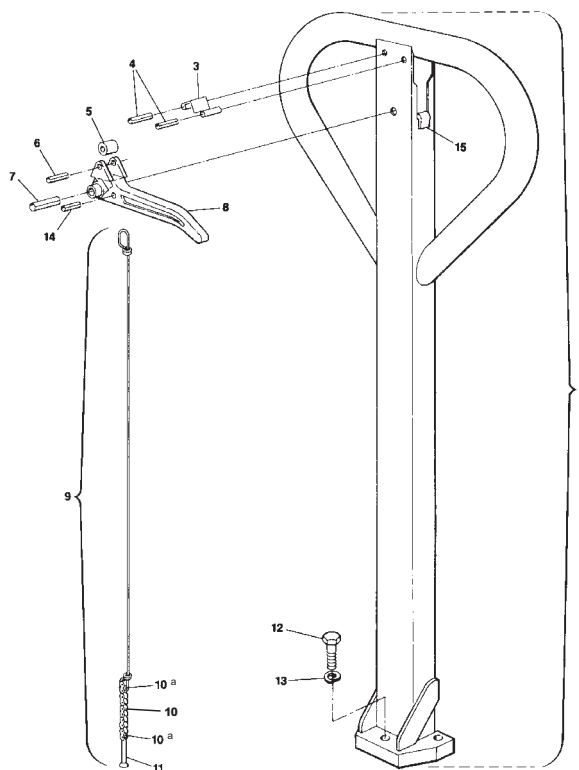
Multiton TM, M & J Hand Control Hydraulic Unit

Note:
Either roll pins (item 54) for Model M
or snap rings (item 74) for Model TM
can be used with item 53.



Model TM
and Model J

Multiton TM, M and J Handle



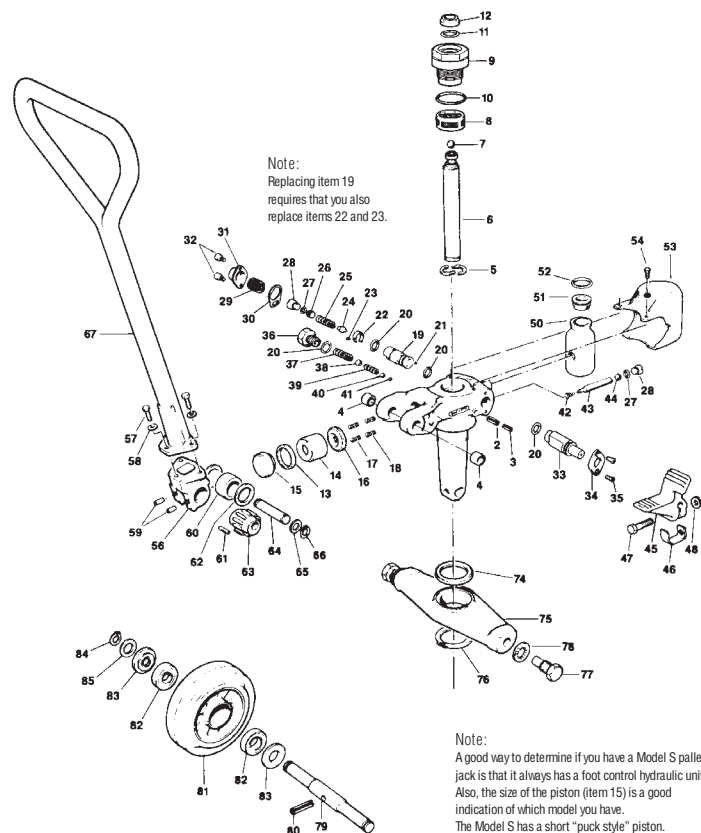
Multiton TM, M & J Hand Control Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
2	MU 39879	Ram	44	MU 39773	Pump Cylinder	KITS A	MU 200064-901-SUPER	Super Seal Kit
3	MU 05750211	Roll Pin	45 A B C	MU 200059-450	Scraper	KITS B	MU 200064-901	Seal Kit
4	MU 06750071	Ball	46	MU 39806	Piston	KITS C	MU 74701-SLIM	Slim Seal Kit
5 A B C	MU 200059-310	U-Cup	47	MU 38972	Spring	HU	MU 40146X	Rebuilt Hydraulic Unit - Exchange
6 A B C	MU 200059-500	O-Ring	48	MU 38977	Spring Cap		MU 40146X-AM	New After-Market Replacement Pump
7	MU 39775	Top Nut	49 A B C	MU 820493	Snap Ring			
8 A B C	MU 200059-440	Scraper	50	MU 40057	Handle Pin			
9 A B C	MU 101003	O-Ring	51	MU 06259058	Snap Ring			
10 A B	MU 21675	Filler Plug	52	MU 91206	Bracket Assembly			
11 A B	MU 21660	Reservoir	53	MU 38613	Shaft			
12 A	MU 38630	Cowling	54	MU 05759015	Roll Pin			
13 A B	MU 04459023	Screw	55	MU 38614	Roller			
16 A	MU 39002	Valve	56	MU 05759018	Roll Pin			
17 A	MU 39005	Spring	57	MU 06450077	Traverse Bearing			
18	MU 39004	Adjusting Screw	58	MU 90109	Steer Wheel Axle			
19	MU 200059-420	Screw Plug	59	MU 18968	Washer			
20 A B C	MU 80008	O-Ring	60	MU 06450071	Bearing			
21 A	MU 820209	Ball	61	MU 90100-01-P-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings			
22	MU 21660-A	Reservoir Assembly		MU 90164-ST	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings			
23	MU 39928	Release Valve Body		MU 90163	Steer Wheel Assembly, Nylon W/ Bearings			
24 A	MU 39940	Spring		MU 90100-01-S	Steer Wheel Assembly, Steel W/ Bearings			
25 A B C	MU 200059-550	O-Ring		GWK-TM-CK	Complete Wheel Kit, Incl 2 load roller assy 2 steer wheel assy, w/bearings, axles and fasteners			
26	MU 39926	Release Pin	62	MU 21353	Washer			
27	MU 52684	Release Lever	63	MU 0575001	Roll Pin			
28	MU 200061-110	Adjusting Screw	64	MU 40948	Traverse			
29	MU 80180	Nut	65	MU 20218	Shoulder Bolt			
30	MU 200013-760	Roll Pin	66	MU 05659038	Lock Washer			
31 B C	MU 200023-600	Washer	67	MU 200059-150	Bushing			
32 A B C	MU 200059-540	O-Ring	68	MU 05250181	Shoulder Pin Set			
33	MU 40725	Spring	69	MU 05750213	Roll Pin			
34	MU 200059-400	Valve Pin		MU 200013-620	Roll Pin			
35	MU 39929	Valve Body	70	MU 90032-11	Traverse			
36 A	MU 820206	Ball		MU 40089	Traverse			
37	MU 39927	Spring Guide	71	MU 40160	Activator			
38 A	MU 39939	Spring	72	MU 43027	Plunger Assembly			
39 A B C	MU 100919	Washer	73	MU 43026	Valve Assembly			
40	MU 39153	Screw Plug	74	MU 06259051	Snap Ring			
41	MU 39778	Bushing						
42 A B C	MU 200059-460	U-Cup						
43 A B C	MU 39777	Washer						

Multiton TM, M and J Handle

Item#	Part#	Description
1	MU 38587-HD	Handle Assembly, Complete
3	MU 38597	Handle Spring
4	MU 0575901	Roll Pin
5	MU 38596	Cam
6	MU 05759015	Roll Pin
7	MU 05759016	Roll Pin
8	MU 40128	Control Lever
9	MU 90144	Control Rod and Chain Assembly
10	MU 40794-001B	Chain
10a	MU 38599-001	Master Link
11	MU 90181	Chain Connector
12	MU 04059078	Bolt
13	MU 192182	Lock Washer
14	MU 05759019	Roll Pin
15	MU 90190-001	Rubber Cushion

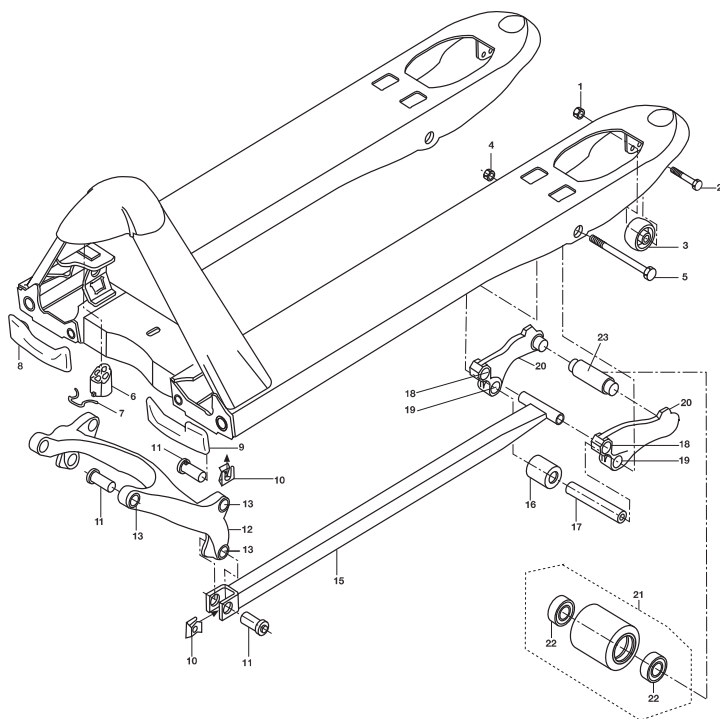
Multiton S Foot Control Hydraulic Unit



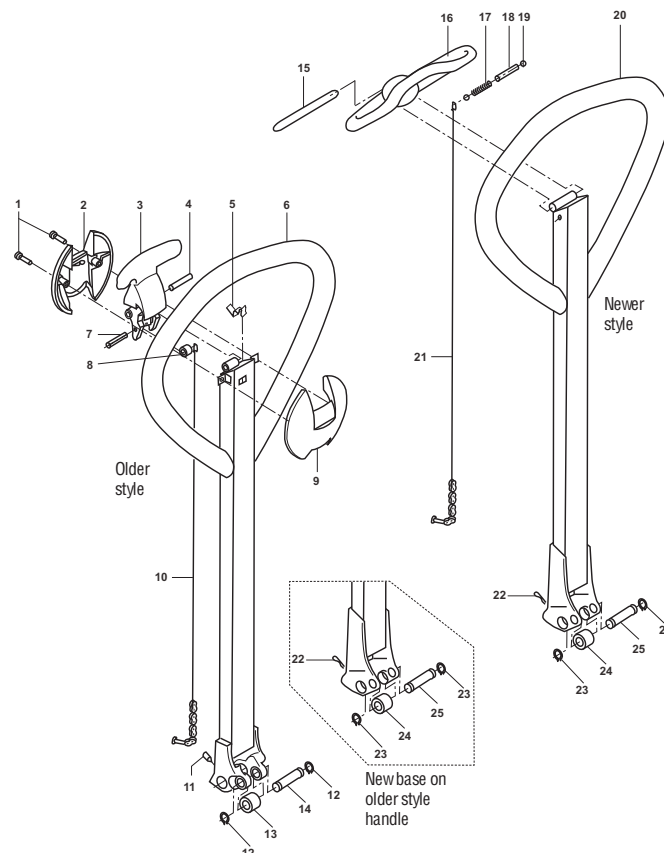
Multiton S Foot Control Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
2	MU 192151	Roll Pin	42	MU 20377	Spring	85	MU 35681	Washer
3	MU 192125	Roll Pin	43	MU 20175	Cam	KITS A	MU 21719	Seal Kit
4	MU 23163	Bushing	44 A	MU 820209	Ball	KITS B	MU 21719-SLIM	Slim Seal Kit
5	MU 820620	Locking Ring	45	MU 20191	Pedal			
6	MU 20178	Ram	46 A B	MU 20595	Spring			
7	MU 06750071	Ball	47	MU 190049	Bolt and Nut			
8	MU 20599	Filter	48	MU 0565005	Lock Washer			
9	MU 20179	Top Nut	50 A	MU 21660	Reservoir			
10 A B	MU 100975	O-Ring	51 A	MU 21675	Filler Plug			
11 A B	MU 102176	O-Ring	52 A B	MU 101003	O-Ring			
12 A B	MU 20369	Scraper	53	MU 20245	Cowling			
13 A B	MU 26381	Seal	54 A B	MU 04459023	Screw			
14 A B	MU 20238	Diaphragm	56	MU 19819	Handle Bracket			
15	MU 26382	Piston	57	MU 04059078	Bolt			
16	MU 20174	Washer	58	MU 192302	Lock Washer			
17 A	MU 3647	Spring	59	MU 19812	Pin			
18 A	MU 20594	Spring	60	MU 36591	Bearing Sleeve			
19	MU 19740	Valve	61	MU 80675	Bearing Needle (45 Needles Required)			
20 A B	MU 100997	O-Ring	62	MU 36592	Washer			
21 A	MU 820207	Ball	63	MU 21352	Eccentric			
22	MU 20597	Spring Clip	64	MU 21351	Handle Pin			
23	MU 190953	Rivet	65	MU 21353	Washer			
24	MU 19744	Valve	66 A B	MU 820495	Snap Ring			
25 A	MU 19750	Spring	67	MU 39294	Handle Frame			
26	MU 19745	Set Screw	74	MU 28087	Traverse Bearing			
27 A B	MU 100988	O-Ring	75	MU 28086	Traverse			
28	MU 21573	Screw Plug	76	MU 06259058	Snap Ring			
29	MU 19349	Spring	77	MU 20218	Shoulder Bolt			
30	MU 20387	Locking Ring	78	MU 05659038	Lock Washer			
31	MU 20194	Cover	79	MU 20231	Axle			
32	MU 190691	Bolt	80	MU 05759018	Roll Pin			
33	MU 20177	Pedal Shaft						
34	MU 20193	Shaft Lock	81	MU 800-P-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings			
35	MU 190906	Screw						
36	MU 20200	Screw Plug		MU 800-P-ST	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings			
37 A	MU 20188	Spring						
38 A	MU 820215	Ball		MU 800-N	Steer Wheel Assembly, Nylon W/ Bearings			
39 A	MU 19350	Spring		MU 800-S	Steer Wheel Assembly, Steel W/ Bearings			
40 A	MU 820212	Ball	82	MU 820018	Bearing			
41 A	MU 820206	Ball	83	MU 20301	Washer			
			84 A	MU 06259060	Snap Ring			

Multiton TM 55 Frame



Multiton TM 55 Handle



Multiton TM 55 Frame

Item#	Part#	Description
1	MU 200067160	Lock Nut
2	MU 080590000	Hex Head Screw
3	MU 090000000	Entry Roller
4	MU 080211000	Hex Head Nut
5	MU 200178430	Exit Roller Bolt
6	MU 090125002	Head Insert for Ram
7	MU 090126000	Head Insert Clip
8	MU 090227012	Bumper Plate Left, Red
9	MU 090227002	Bumper Plate Left, Grey
9	MU 090227011	Bumper Plate Right, Red
9	MU 090227001	Bumper Plate Right, Grey
10	MU 090129000	Clip
11	MU 090128000	Frame Pin Traverse
12	MU 090160002	Lifting Link, 27"
13	MU 200004400	Bushing

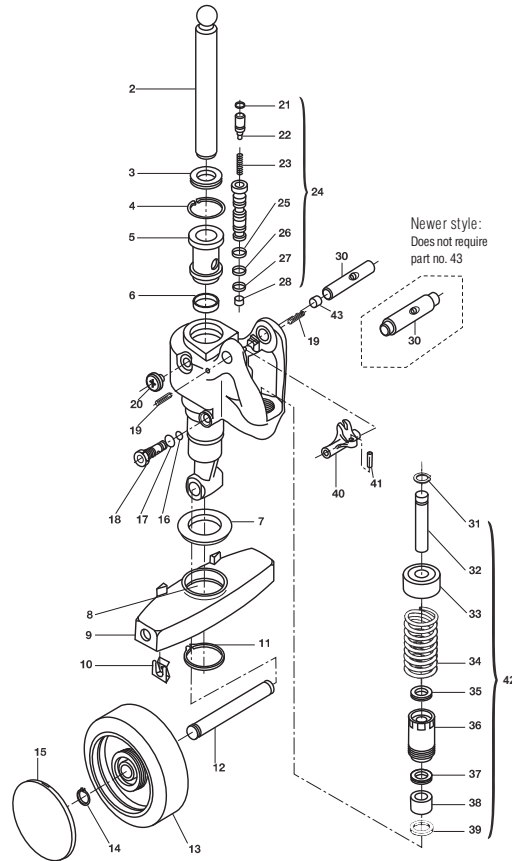
Item#	Part#	Description
15	MU 090147008	Push Rod, 36" Forks
	MU 090147011	Push Rod, 46" Forks
	MU 090147012	Push Rod, 48" Forks
16	MU 090156000	Exit Roller
17	MU 090155000	Exit Roller Axle
18	MU 200178270	Bushing, Load Roller Bracket
19	MU 200178260	Bushing, Load Roller Bracket
20	MU 090151021	Load Roller Bracket Assy
21	MU 090153008	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings
	MU 090153007	Load Roller Assembly, Nylon W/ Bearings
	MU 090153009	Load Roller Assembly, Steel W/ Bearings
	GWK-TM55-LW	Load Wheel Kit, Incl. (2) Load Roller Assemblies W/ Bearings, Axles
22	MU 200178810	Bearing
23	MU 090154001	Load Roller Axle

Multiton TM 55 Handle

Item#	Part#	Description
1	MU 200178410	Screw
2	MU 090131001	Handle Lever Cover, Yellow
	MU 090131002	Handle Lever Cover, Grey
3	MU 090195000	Handle Lever
4	MU 063017008	Shaft
5	MU 090191000	Handle Spring Clip
6	MU 090112000	Handle Frame - Older Style
	MU 090478001	Handle Assembly - Older Style, (Incl. Items 1 through 12)
7	MU 200178340	Split Pin
8	MU 090190000	Cam
9	MU 090130002	Handle Lever Cover, Yellow
	MU 090130003	Handle Lever Cover, Grey
10	MU 090110000	Rod and Chain
11	MU 200178390	Set Screw
12	MU 820487000	Snap Ring
13	MU 038614000	Roller Cam (Older Style)
	MU 090457010	Roller Cam (Newer Style)
14	MU 052699000	Cam Axle (Older Style)
14	MU 090455000	Cam Axle (Newer Style)

Item#	Part#	Description
15	MU 50424166	Lever Pin
16	MU 50424811	Control Lever (Yellow)
	MU 50410252	Control Lever (Grey)
17	MU 50410166	Spring
18	MU 50424168	Sleeve
19	MU 50410235	Ball
20	MU 50410142	Handle Assembly - Newer Style, (Incl. Items 15-21 and 23)
21	MU 50410215	Rod and Chain
22	MU 50137128	Pin Clip
23	MU 26200080	Snap Ring
24	MU 50137111	Cam Roller
25	MU 50137110	Cam Axle

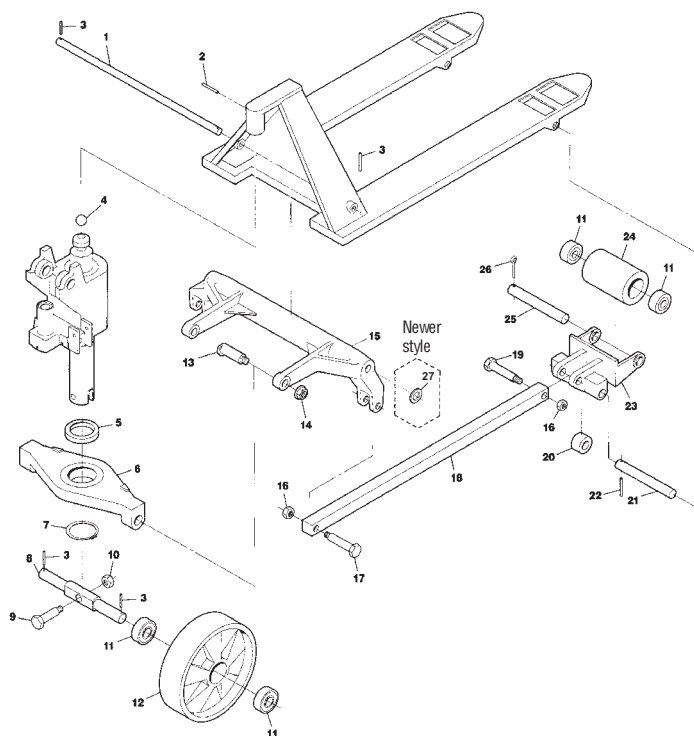
Multiton TM 55 Hydraulic Unit



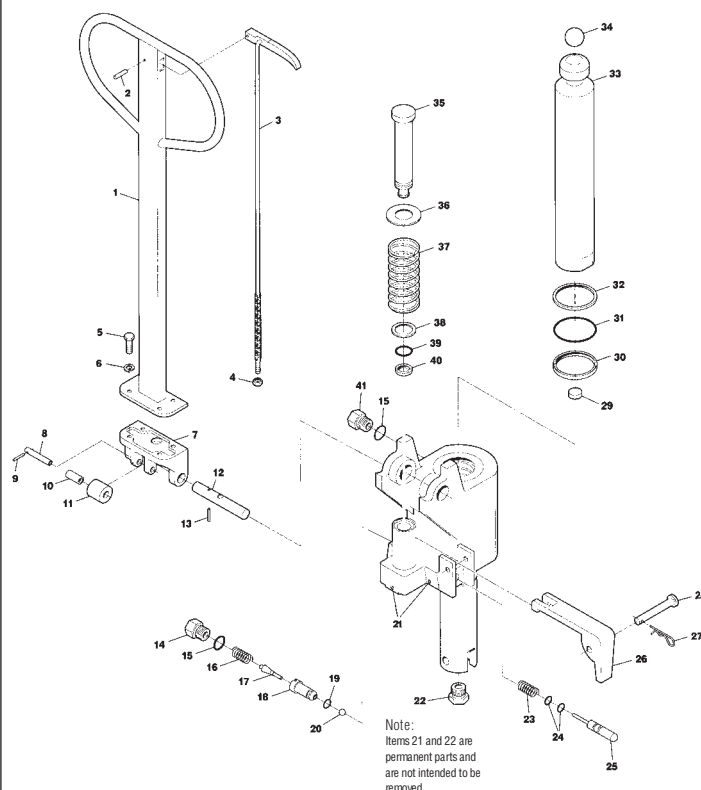
Multiton TM 55 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
2	MU 090179000	Ram	37 A	MU 200059460	U-Cup
3 A	MU 200178500	Wiper Seal	38	MU 039778000	Bushing
4	MU 200178300	Snap Ring	39 A	MU 039777000	Washer
5	MU 090181000	Bell	40	MU 090167000	Raise/Lower Activator Assembly
6 A	MU 200178510	U-Cup	41	MU 080299000	Set Screw
7	MU 200178370	Thrust Bearing	42	MU 090163021	Piston Assembly
8	MU 200179330	Bushing	43	MU 200178280	Bushing
9	MU 090184000	Traverse Assembly	KITS A	MU 200178730	Seal Kit
10	MU 090129000	Clip	HU	MU 090163003X	Rebuilt Hydraulic Unit - Exchange
11	MU 200178320	Snap Ring			
12	MU 063020008	Steer Wheel Axle			
13	MU 090186000	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings			
	MU 090187000	Steer Wheel Assembly, Nylon W/ Bearings			
	MU 090219000	Steer Wheel Assembly, Steel W/ Bearings			
	GWK-TM55-CK	Complete Wheel Kit, Incl. (2) Load Roller Assy			
		(2) Steer Wheel Assy, W/ Bearings, Axles and Fasteners			
14	MU 820495000	Snap Ring			
15	MU 090189002	Steer Wheel Hub Cap (OEM Wheel Only)			
	MU 090189002-1	Steer Wheel Hub Cap (GPS Wheel Only)			
16 A	MU 200178560	O-Ring			
17 A	MU 200178550	O-Ring			
18	MU 090175001	Flow Valve Assembly			
19	MU 200013620	Split Pin			
20	MU 090183000	Fluid Plug			
21 A	MU 080008000	O-Ring			
22	MU 090170000	Plunger			
23	MU 090172000	Spring			
24	MU 090169000	Piston Valve Assembly			
25 A	MU 200178520	O-Ring			
26 A	MU 200178530	O-Ring			
27 A	MU 200178540	O-Ring			
28	MU 040725000	Spring			
30	MU 090127000	Handle Axle (18mm, Older Style)			
	MU 090455000	Handle Axle (20mm, Newer Style)			
31	MU 820493000	Snap Ring			
32	MU 090166000	Piston			
33	MU 090196000	Piston Spring Cap			
34	MU 038972000	Piston Spring			
35 A	MU 200059450	Scraper			
36	MU 090106000	Pump Cylinder			

Pallet Mule AA5000 and AA5500 Frame



Pallet Mule AA5000 and AA5500 Hydraulic Unit



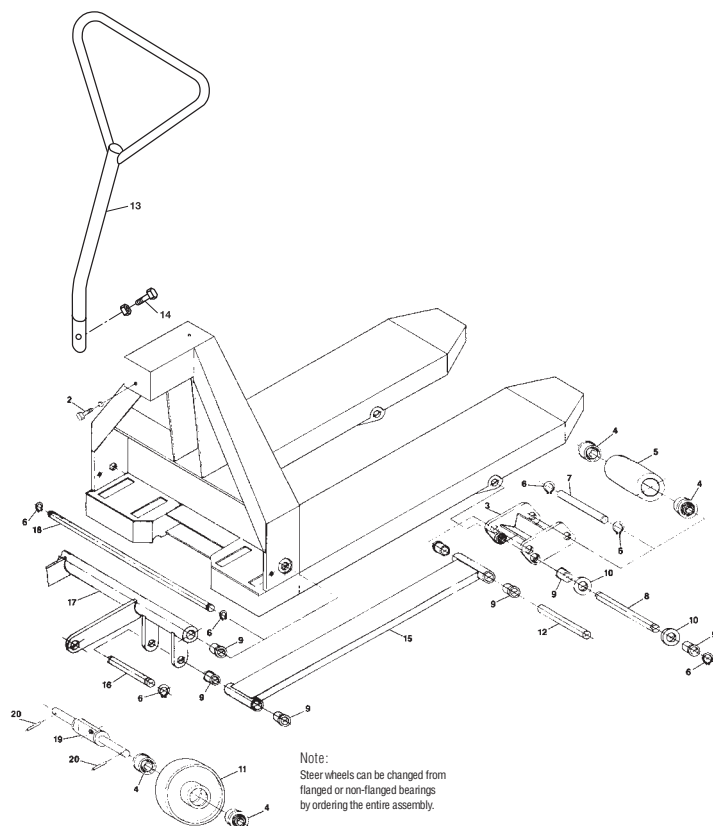
Pallet Mule AA5000 and AA5500 Frame

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
1	AA-55-7	Lifting Link Shaft, 27" Wide Jack	12	AA-7.25x2 PMWB-ST	Steer Wheel Assembly, Nylon On Poly Hub W/ Bearings (Newer 7" Wheel)	21	AA-62	Pivot Axle
2	AA-57	Roll Pin		AA-7.25x2	Steer Wheel Assembly, Nylon W/ Bearings (Newer 7" Wheel)	22	AA-62-2.9	Pivot Axle, 2.9" Lowered Height
3	AA-50	Roll Pin		GWK-PUAA-CK	Complete Wheel Kit, Incl. 2 load roller assy, 2 steer wheel assy w/bearings, axles and fasteners	23	AA-63	Roll Pin
4	AA-44	Ball	13	AA-36	Shoulder Bolt	24	AA-59	Load Roller Bracket
5	AA-30	Thrust Bearing	14	AA-39	Nut		AA-59-2.9	Load Roller Bracket, 2.9" Lowered Height
6	AA-61	Traverse	15	AA-53-7	Lifting Link, 27" Wide Jack	24	AA-3x4 PMWB	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
7	AA-28	Snap Ring	16	AA-51	Lock Nut		AA-3x4 PMWB-D	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings
8	AA-46	Steer Wheel Axle	17	AA-60	Bolt		AA-3x4 SMWB	Load Roller Assembly, Steel W/ Bearings
9	AA-29	Shoulder Bolt	18	AA-58-36	Push Rod, 36" Forks		AA-2.875x4 PMWB-D	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 2.9" Lowered Height
10	AA-29N	Lock Nut		AA-58-42	Push Rod, 42" Forks	25	AA-66	Load Roller Axle
11	AA-64	Bearing		AA-58-48	Push Rod, 48" Forks	26	AA-67	Cotter Pin
12	AA-8x2 PMWB-HD	Steer Wheel Assembly, Red Ultra Poly on aluminum hub w/bearings (older 8" steer wheel)		AA-58-2.9	Push Rod, 48" Forks, 2.9" Lowered Height	27	AA-3/4	Washer
	AA-8x2 SMWB	Steer Wheel Assembly, Steel W/ Bearings (Older 8" Wheel)	19	AA-74	Bolt			
	AA-7.25x2 PMWB-HD	Steer Wheel Assy, Red Ultra Poly on aluminum hub w/bearings (newer 7" wheel)	20	AA-52	Exit Roller			
				AA-52-2.9	Exit Roller, 2.9" Lowered Height			

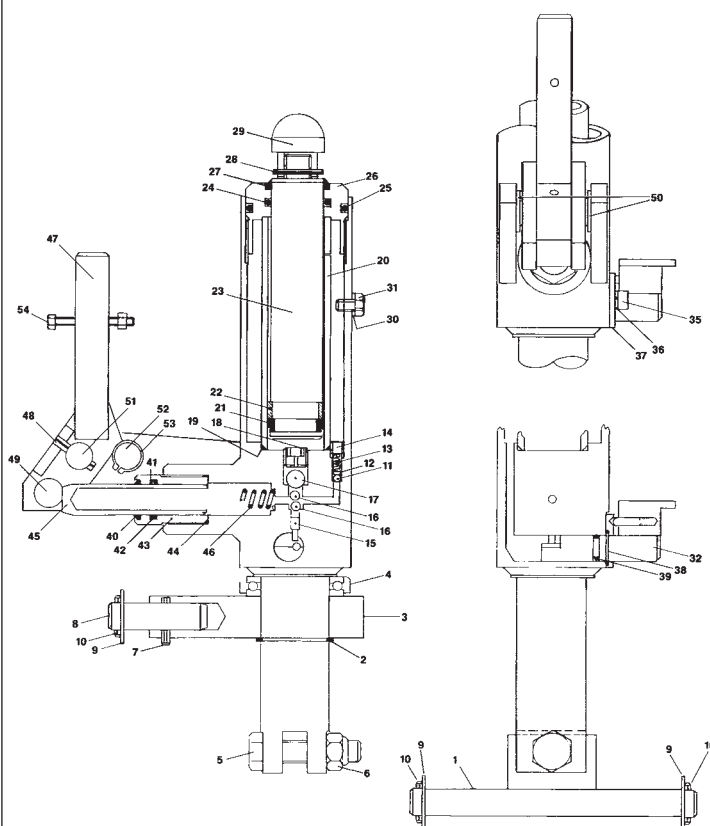
Pallet Mule AA5000 and AA5500 Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description	Item#	Part#	Description
1	AA-68-Complete	Handle Assembly, Complete	18	AA-17	Valve Cone Housing	36	AA-03.3	Washer
2	AA-70	Roll Pin	19 A	AA-18	O-Ring	37	AA-04	Spring
3	AA-69	Control Lever, Rod and Chain	20 A	AA-19	Ball	38 A	AA-05.3	Scraper
4	AA-73	Adjusting Nut	21		Plug (Not To Be Removed)	39 A	AA-06.3	O-Ring
5	AA-22	Bolt	22		Plug (Not To Be Removed)	40 A	AA-07.3	U-Cup
6	AA-24	Lock Washer	23 A	AA-31	Spring	41	AA-25	Filler Plug
7	AA-23-Complete	Handle Bracket Assembly, (Incl. Items 8 through 11)	24 A	AA-32	O-Ring	KITS A	AA-76-5000	Seal Kit
8	AA-11	Pin	25	AA-34	Plunger		HU PU AA5000	Rebuilt Hydraulic Unit - Exchange
9	AA-12	Roll Pin	26	AA-35	Release Lever			
10	AA-10	Bushing	27	AA-27	Clip Pin			
11	AA-09	Roller	28	AA-26	Pin			
12	AA-21	Pin	29	AA-38	Magnet			
13	AA-20	Roll Pin	30 A	AA-43	U-Cup			
14	AA-14	Plug	31 A	AA-40	O-Ring			
15 A	AA-41	O-Ring	32 A	AA-37	Scraper			
16 A	AA-15	Spring	33	AA-45	Ram			
17	AA-16	Valve Cone	34	AA-44	Ball			
			35	AA-02.3	Piston			

Palletmaster HSW Frame



Palletmaster HSW Hydraulic Unit



Palletmaster HSW Frame

Item#	Part#	Description
2	00.30	Screw and Washer
3	01.01	Load Roller Bracket with Bushings
4	01.03	Bearing, Newer Style, No Flange
	01.04	Bearing (Older Style, Flanged)
5	01.05-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
	01.05-A	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings
	01.05-N-A	Load Roller Assembly, Nylon W/ Bearings
	01.05-A-FB	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings (Flanged Bearings)
	01.05-FB	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings (Flanged Bearings)
6	01.07	Snap Ring
7	01.08	Load Roller Axle
8	01.10	Pivot Axle

Item#	Part#	Description
9	01.11	Bushing
10	01.12	Washer
11	01.13-A-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
	01.13-A-ST	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings
	01.13-N-A	Steer Wheel Assembly, Nylon W/ Bearings
	01.13-A-FB-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hubs W/ Bearings (Flanged Bearings)
12	01.14	Push Rod Axle
13	01.22	Handle
14	01.23	Handle Bolt and Nut
15	03.00	Push Rod, 48" Forks
16	03.07	Pin
17	04.00	Lifting Link, 27" Wide Jack
18	04.04	Lifting Link Shaft, 27" Wide Jack
19	A1	Steer Wheel Axle

Item#	Part#	Description
20	A11	Roll Pin
BRAKE PARTS		
	LB-1	Bushing
	LB-2	Mounting Pin
	LB-3	Snap Ring
	LB-4	Threaded Eyebolt Assembly
	LB-5	Locking Lever Mounting Yoke
	LB-6	Locking Lever
	LB-7	Spring
	LB-8	Shoe Assembly
	LB-8-A	Brake Shoe
	LB-8-B	Hinge Bracket
	LB-8-C	Shoe Spring

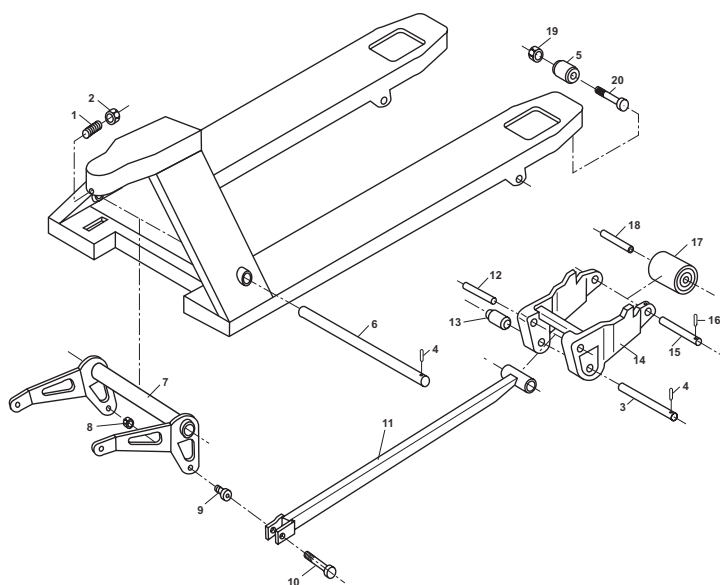
Palletmaster HSW Hydraulic Unit

Item#	Part#	Description
1	A1	Steer Wheel Axle
2	A2	Snap Ring
3	A3	Traverse
4	A4	Traverse Bearing
5	A5	Bolt
6	A6	Nut
7	A7	Roll Pin
8	A8	Pin
9	A9	Washer
10	A11	Roll Pin
11	A L1	Ball
12		Insert (No Longer Needed)
13	A L2	Spring
14	L3	Relief Valve
15	A L4	Release Pin
16	A L5	Ball
17	A L6	Ball
18	L7	Flow Valve
19 A B	L8	O-Ring
20	L9	Sleeve

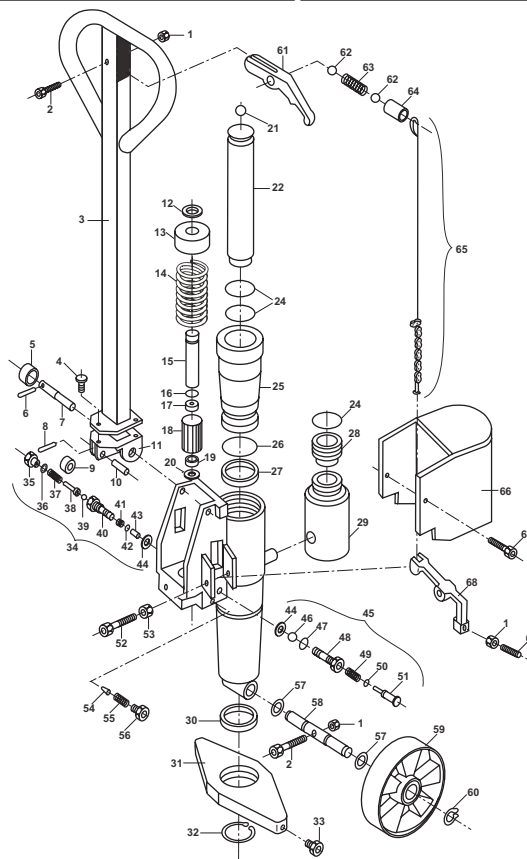
Item#	Part#	Description
21 A B	L10	U-Cup
22 A	L11	Bushing
23	L12	Ram (Older Style, Serial #00043 & Lower)
	L12A	Ram
24 A B	L13	O-Ring
25 A B	L14	O-Ring
26	L15	Top Nut
27 A B	L16	Scraper
28	L17	Roll Pin
29	L18	Top Pivot (Older Style, Serial #00043 & Lower)
30 A B	L19	Washer
31	L20	Filler Plug
32	F1	Foot Pedal
35	F4	Bolt, 3/8"
	F4-5	Bolt, 5/16"
36	F5	Lock Washer
	F5-5	Lock Washer
37	F6	Detent Plate, 3/8"
	F6-5	Detent Plate, 5/16"
38	F7	Snap Ring

Item#	Part#	Description
39 A B	F8	O-Ring
40 A B	P1	Scraper
41 A B	P2	Back-Up Ring
42 A B	P3	O-Ring
43	P4	Sleeve
44 A B	P5	O-Ring
45 A	P6	Piston
46 A B	P7	Spring
47	P8	Handle Bracket
48	P9	Roll Pin
49	P10	Roller
50 A B	P11	Bushing
51	P12	Pin
52	P13	Stop Shaft
53	P14	Snap Ring
54	01.23	Handle Bolt and Nut
KITS A	HSW-SUPER	Super Seal Kit
KITS B	HSW	Seal Kit
HU HSW		Rebuilt Hydraulic Unit - Exchange

Pramac GS22 Frame



Pramac GS22 Hydraulic Unit



Pramac GS22 Frame

Item#	Part#	Description
1	G022307	Set Screw
2	G032308	Nut
3	S0002205040	Pivot Axle
4	G044312	Roll Pin
5	G056103	Entry Roller
6	S0003035042	Lifting Link Shaft, 27" Wide Jack
7	S0003015038	Lifting Link Shaft, 20-1/2" Wide Jack
8	S0013020079	Lifting Link, 27" Wide Jack
9	S0003020146	Lifting Link, 20-1/2" Wide Jack
10	G032312	Nut

Item#	Part#	Description
9	S0003015006	Eccentric
10	G022223	Bolt
11	S0012200155	Push Rod, 36" Forks
12	S0012200157	Push Rod, 42" Forks
13	S0012200159	Push Rod, 48" Forks
14	S0002205038	Push Rod Axle
15	G056391	Exit Roller
16	S0012201004	Load Roller Bracket
17	S0002205039	Load Roller Axle
18	G044307	Roll Pin

Item#	Part#	Description
17	S0002010328-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
18	S0002010328	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings
19	S0002206023	Bushing
20	G056103-N	Nut
21	G056103-B	Bolt

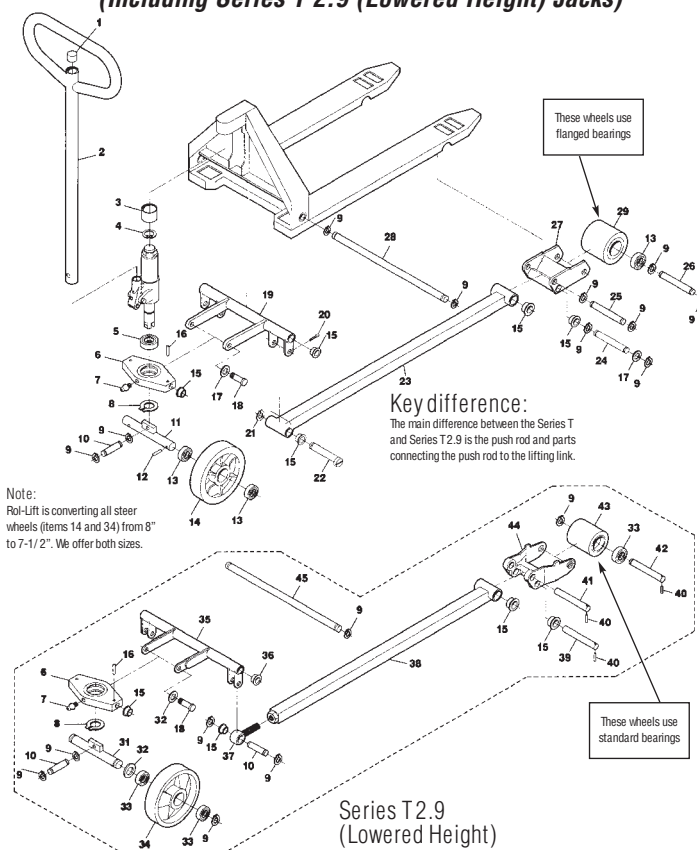
Pramac GS22 Hydraulic Unit

Item#	Part#	Description
1	G032301	Nut
2	G022006	Screw
3	S0004030243	Handle Assembly
4	G022112	Bolt
5	S0004018002	Bushing
6	G044309	Roll Pin
7	S0004013008	Pin
8	G044307	Roll Pin
9	S0004013001	Roller
10	S0004013002	Pin
11	004011012	Handle Bracket
12	G042501	Snap Ring
13	G09007	Spring Cap
14	G001142	Spring
15	S0014015003	Pump Piston
16 A	G095006	O-Ring
17 A	G098304	Seal
18	S0014015002	Cylinder
19	S0014018002	Nylon Bushing
20	G096006	Washer
21	G016103	Ball
22	S0004013007	Piston
24 A	G095005	O-Ring
25	P0004010467	Top Nut/Cylinder
26 A	G095004	O-Ring

Item#	Part#	Description
27 A	G098201	Seal
28	S0004018001	Reservoir Cap
29	S0004018003	Oil Reservoir
30	G010220	Traverse Bearing
31	S0014011030	Traverse
32	G042160	Snap Ring
33	S0004015007	Shoulder Bolt
35 C	S0004015014	Cap/Plug
36 C	G096102	Washer
37 C	G001101	Spring
38 C	S0004015013	Ball Guide
39 C	G016116	Ball
40 C	S0004015012	Valve
41 C	G001113	Spring
42 A,C	G095003	O-Ring
43 C	G016202	Pin
44 A,C	G096201	Washer
46 B	G016104	Ball
47 B	G095003	O-Ring
48 B	S0004015010	Valve Seat
49 B	G001102	Spring
50 A,B	G095002	O-Ring
51 B	S0004015011	Valve Plunger
52	G022220	Bolt
53	G034401	Nut

Item#	Part#	Description
54	S0004015008	Cone
55	G001104	Spring
56	G022501	Screw
57	G091101	Washer
58	S0004015015	Steer Wheel Axle
59	S0014010028-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
60	S0014010028-ST	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings
61	S000401066	Steer Wheel Assembly, Nylon W/ Bearings
62	G042120	Snap Ring
63	S0004018006	Control Lever
64	G016104	Ball
65	G001126	Spring
66	S0004036022	Control Lever Bushing
67	S0004010235	Control Rod and Linkage
68	S0004018005	Reservoir Guard
69	S0004018003-S	Screw
70	G01403	Pump Lever
71	G023102	Screw
72	KITS A	Seal Kit
73	KITS B	Relief Valve Kit
74	KITS C	Valve Kit
75	HU GS 22	Rebuilt Hydraulic Unit - Exchange

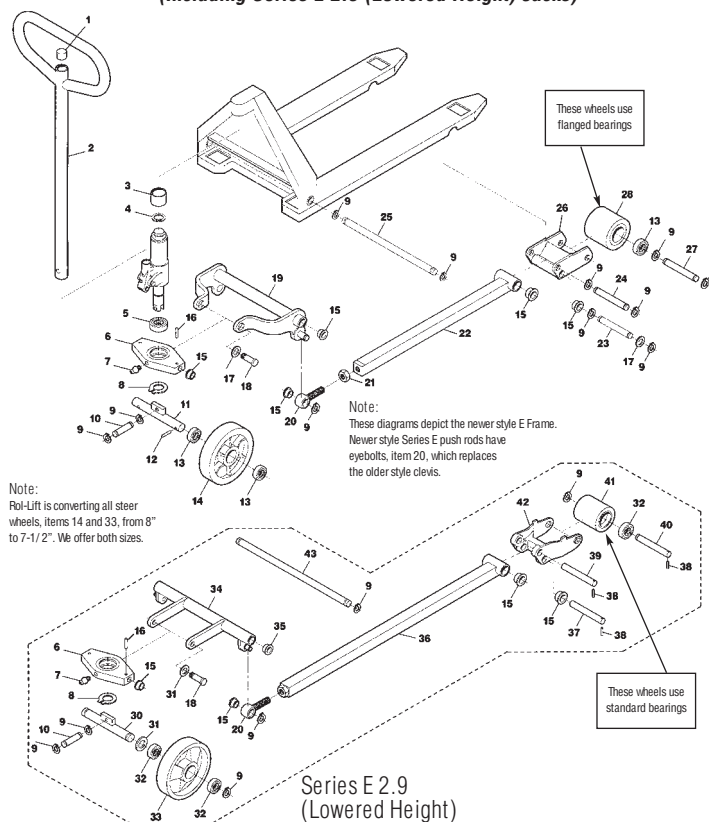
Rol-Lift Series T Frame (Including Series T 2.9 (Lowered Height) Jacks)



Rol-Lift Series T Frame (Including Series T 2.9 (Lowered Height) Jacks)

Item#	Part#	Description	Item#	Part#	Description
1	3-27137	Handle Plug			Aluminum Hub W/ 4 Flanged Bearings, 6500# Capacity
2	7-60017	Handle Frame (Foot Control Models)		RL-31-D	Load Roller Assembly, Red Ultra Poly On
3	4-00103	Bushing Weldment			Aluminum Hub W/ Bearings, 3-1/4" Dia., Flanged Bearings
4	3-11005	Snap Ring		RL-31-N	Load Roller Assembly, Nylon W/ Flanged Bearings, 3-1/4" Dia.
5	3-70001	Traverse Bearing		RL-31-S	Load Roller Assembly, Steel W/ Flanged Bearings, 3-1/4" Dia.
6	4-00058	Traverse		RL-31-3	Load Roller Assembly, Red Ultra Poly On Aluminum Hub
7	1-20002	Grease Fitting			W/ Bearings, 3" Dia., Flanged Bearings
8	3-11002	Snap Ring		WHL-5010-EPTUM	Load Roller Assembly, Nylon W/ Flanged Bearings, 3" Dia.
9	3-11003	Snap Ring		RL-31-S-3	Load Roller Assembly, Steel W/ Flanged Bearings, 3" Dia.
	3-11036	Snap Ring	31	KIT-5090-TPTUM	Steer Wheel Axle Assembly
10	KIT-5144-TPTUM	Pin with Snap Rings	32	3-10203	Washer
11	7-60021	Steer Wheel Axle	33	BRG-5000-TPTUM	Bearing
12	3-25801-06	Roll Pin			Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings
13	3-70002	Bearing (Flanged)	34	WHL-5012-TPTUM	7-1/2" Dia., Flanged Bearings
	T-22-WA	Bearing (Wet Application)	35	LVB-5004-TPTUM	Lifting Link, 27" Wide Jack
14	RL-32-HD	Steer Wheel Assembly, Red Ultra Poly On	36	BSH-5001-TPTUM	Bushing
		Aluminum Hub W/ Bearings, 8" Dia., Flanged Bearings	37	PHR-5010-TPTUM	Eye Bolt
	RL-32-ST	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings, 8" Dia., Flanged Bearings	38	PHR-5004-TPTUM	Push Rod, 48" Forks
	RL-32-N	Steer Wheel Assembly, Nylon W/ Flanged Bearings, 8" Dia.	39	PNB-5025-TPTUM	Pivot Axle, 7" Wide Forks
	RL-32-S	Steer Wheel Assembly, Steel W/ Flanged Bearings, 8" Dia.		PNB-5020-TPTUM	Pivot Axle, 6" Wide Forks
15	3-27020	Bushing, 3/4", Nylon	40	3-25801-06	Roll Pin
16	3-25800-07	Roll Pin	41	PNB-5019-TPTUM	Push Rod Axle
17	3-27021	Washer	42	KIT-5136-TPTUM	Load Roller Axle
18	4-00107	Shoulder Pin	43	WHL-5013-TPTUM-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub
19	7-61006-02	Lifting Link, 27" Wide Jack, 7" Wide Forks (Ear Inset 3/4")			W/ Bearings, 3" Dia., Standard Bearings
	KIT-5037-TPTUM	Lifting Link, 27" Wide Jack, 6" Wide Forks (Ears Are Flush)		WHL-5013-TPTUM	Load Roller Assembly, Black Ultra Poly On Steel Hub
20	3-04501-05	Set Screw			W/ Bearings, 3" Dia., Standard Bearings
21	3-11004	Snap Ring		WHL-5010-EPTUM	Load Roller Assembly, Nylon W/ Bearings, 3" Dia., Standard Bearings
22	4-00308	Eccentric Pin		WHL-5013-TPTUM-S	Load Roller Assembly, Steel W/ Bearings, 3" Dia., Standard Bearings
23	7-60010-04	Push Rod, 48" Forks	44	BKT-5004-TPTUM	Load Roller Bracket
24	4-61036	Pivot Axle, 7" Wide Forks	45	KIT-5115-TPTUM	Lifting Link Shaft, 27" Wide Jack
	4-00102	Pivot Axle, 6" Wide Forks			
25	4-61095	Push Rod Axle, 7" Wide Forks			
	4-00101	Push Rod Axle, 6" Wide Forks			
26	4-00100	Load Roller Axle			
27	7-61005	Load Roller Bracket, 7" Fork			
	4-00089-HD	Load Roller Bracket, 6" Wide Forks (Heavy Duty)			
28	4-00117-02	Lifting Link Shaft, 27" Wide Jack			
29	3-91003-A-D	Load Roller Assembly, Red Ultra Poly On			

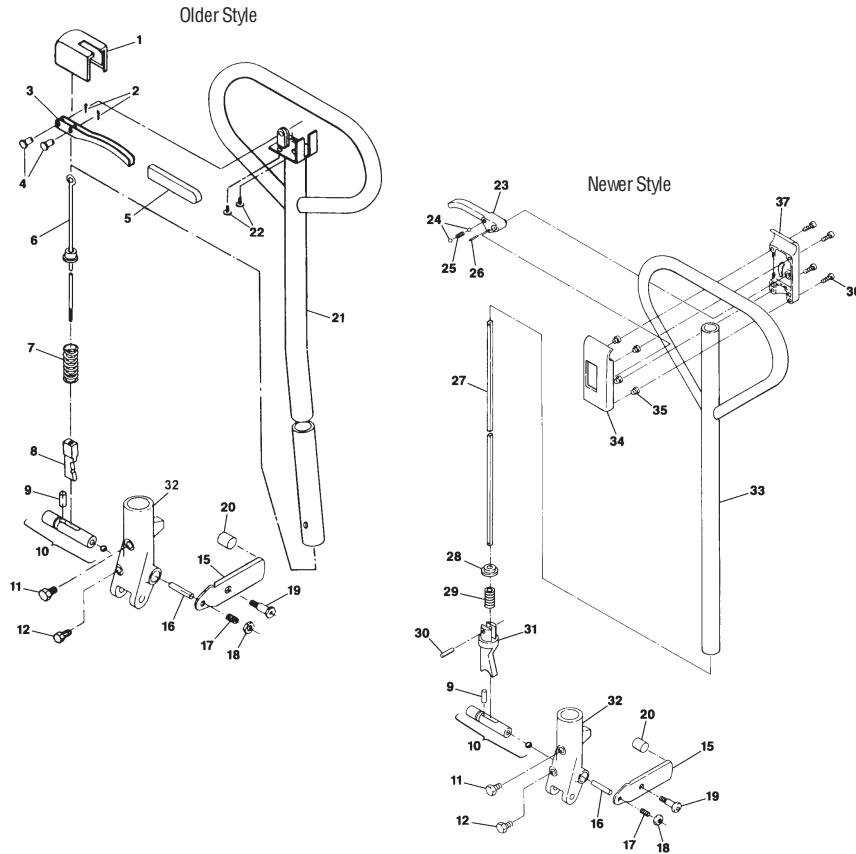
Rol-Lift Series E Frame (Including Series E 2.9 (Lowered Height) Jacks)



Rol-Lift Series E Frame

Item#	Part#	Description	Item#	Part#	Description
1	3-27137	Handle Plug	RL-31-S		Load Roller Assembly, Steel W/ Flanged Bearings, 3-1/4" Dia.
2	7-60017	Handle Frame (Foot Control Models)	RL-31-3		Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 3" Dia., Flanged Bearings
3	4-00103	Bushing (Welded Into Frame)	WHL-5010-EPTUM		Load Roller Assembly, Nylon W/ Flanged Bearings, 3" Dia.
4	3-11005	Snap Ring	RL-31-S-3		Load Roller Assembly, Steel W/ Flanged Bearings, 3" Dia.
5	3-70001	Traverse Bearing	30	KIT-5090-TPTUM	Steer Wheel Axle Assembly
6	4-00058	Traverse	31	3-10203	Washer
7	1-20002	Grease Fitting	32	BRG-5000-TPTUM	Bearing
8	3-11002	Snap Ring	33	WHL-5012-TPTUM	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings, 7-1/2" Dia., Flanged Bearings
9	3-11003	Snap Ring	34	KIT-5099-EPTFM	Lifting Link, 27" Wide Jack
10	KIT-5144-TPTUM	Pin with Snap Rings	35	BSH-5001-TPTUM	Bushing
11	7-60021	Steer Wheel Axle	36	PHR-5004-TPTUM	Push Rod, 48" Forks
12	3-25801-06	Roll Pin	37	PNB-5025-TPTUM	Pivot Axle, 7" Wide Forks
13	3-70002	Bearing (Flanged)	PNB-5020-TPTUM		Pivot Axle, 6" Wide Forks
	T-22-WA	Bearing (Wet Application)	38	3-25801-06	Roll Pin
14	RL-32-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 8" Dia., Flanged Bearings	39	PNB-5019-TPTUM	Push Rod Axle
	RL-32-ST	Steer Wheel Assembly, Poly On Nylon Hub W/ Bearings, 8" Dia., Flanged Bearings	40	KIT-5136-TPTUM	Load Roller Axle
	RL-32-N	Steer Wheel Assembly, Nylon W/ Flanged Bearings, 8" Dia.	41	WHL-5013-TPTUM-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 3" Dia., Standard Bearings
	RL-32-S	Steer Wheel Assembly, Steel W/ Flanged Bearings, 8" Dia.		WHL-5013-TPTUM	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings, 3" Dia., Standard Bearings
15	3-27020	Bushing, 3/4", Nylon	WHL-5010-EPTUM		Load Roller Assembly, Nylon W/ Bearings 3" Dia., Standard Bearings
16	3-25800-07	Roll Pin	WHL-5013-TPTUM-S		Load Roller Assembly, Steel W/ Bearings 3" Dia., Standard Bearings
17	3-27021	Washer	42	BKT-5004-TPTUM	Load Roller Bracket
18	4-00107	Shoulder Pin	43	KIT-5127-EPTUM	Lifting Link Shaft, 27" Wide Jack
19	8-60015-01	Lifting Link, 21" Wide Jack			
	KIT-5040-TPTUM	Lifting Link, 27" Wide Jack			
20	PHR-5010-TPTUM	Eye Bolt			
21	3-50002	Nut			
22	7-10041-03	Push Rod, 48" Forks			
23	4-61036	Pivot Axle, 7" Wide Forks			
	4-00102	Pivot Axle, 6" Wide Forks			
24	4-00100	Push Rod Axle, 7" Wide Forks			
	4-00101	Push Rod Axle, 6" Wide Forks			
25	4-00106-01	Lifting Link Shaft, 27" Wide Jack			
26	4-00089-HD	Load Roller Bracket, 6" Wide Forks (Heavy Duty)			
27	4-00100	Load Roller Axle			
28	3-91003-A-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ 4 Flanged Bearings, 6500# Capacity			
	RL-31-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings, 3-1/4" Dia., Flanged Bearings			
	RL-31-N	Load Roller Assembly, Nylon W/ Flanged Bearings, 3-1/4" Dia.			

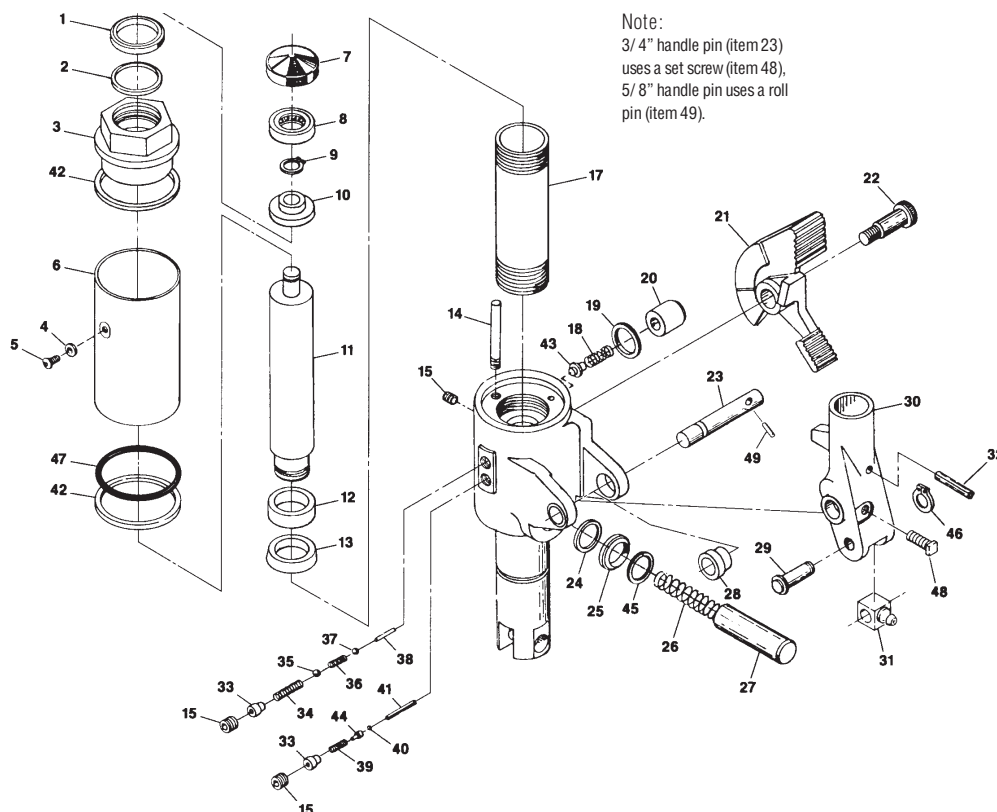
Rol-Lift Series T and E Hand Control Handle



Rol-Lift Series T and E Hand Control Handle

Item#	Part#	Description	Item#	Part#	Description
1	N/A	Plastic Cover			
2	3-25500	Cotter Pin			
3	N/A	Control Lever			
4	3-60000	Pin			
5	N/A	Control Lever Grip			
6	7-00008	Control Rod			
7	3-20001	Spring			
8	3-27003	Actuator			
9	3-27010	Pivot Shaft			
10	3-27163-S	Pivot Shaft Assembly, 3/4" ID			
11	3-02000-03	Handle Bolt			
12	3-04501-07	Set Screw			
15	7-30048	Fulcrum Bar			
16	N/A	Glide Pin (No longer sold Separately Use Item 10)			
17	3-08006-04	Adjusting Screw			
18	3-50064	Nut			
19	3-00087-04	Bolt			
20	4-00078	Pin			
21	N/A	Handle Assembly (See Item 33)			
22	3-09998	Screw			
23	3-27133	Control Lever			
24	3-30000	Ball			
25	3-20017	Spring			
26	3-25750-07	Roll Pin			
27	3-27166	Control Rod			
28	3-27134	Spring Retainer			
29	3-20016	Spring			
30	3-25750-05	Roll Pin			
31	3-27138	Actuator			
32	4-60082	Handle Socket (Hand Control Models)			
	4-60072	Handle Socket (Foot Control Models)			
33	7-60016	Handle Frame (See RL KIT-5072-TPTUM)			
	8-60017	Handle Assembly (See RL KIT-5072-TPTUM)			
	KIT-5072-TPTUM	Handle Assembly (Incl. Items 9-12 & 23-33)			
34	3-27132	Front Cover			
35	3-51001	Spacer			
36	3-00006-04	Screw			
37	3-27131	Back Cover			

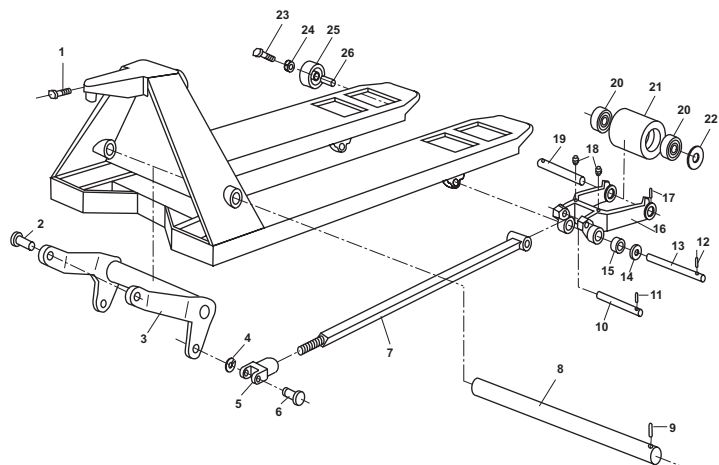
Rol-Lift Series T and E Hydraulic Unit



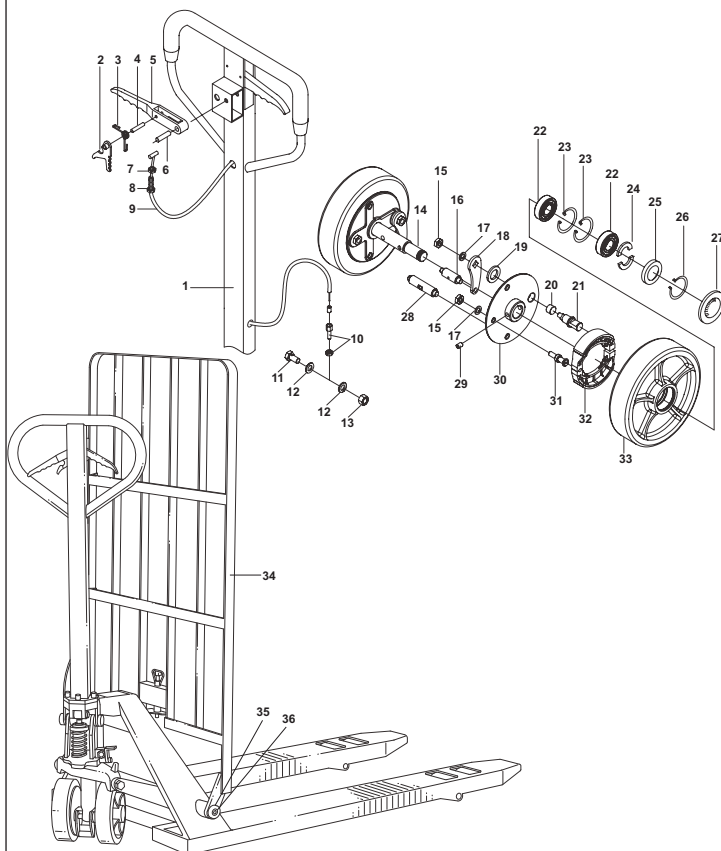
Rol-Lift Series T and E Hydraulic Unit

Item#	Part#	Description	Item#	Part#	Description
1 AB	1A	Scraper (3000 lb)	AD	RL 3-27020	Bushing, 3/4", Nylon
CDE	1-33500	Scraper	29	RL 4-00082	Piston Pusher Shaft
2 AB	2A	Quad Ring (3000 lb)	30	RL 4-60072	Handle Socket (Foot Control Models)
CD	RL 1-30000	Quad Ring		RL 4-60082	Handle Socket (Hand Control Models)
3	RL 4-00066	Top Nut Not Available	31 C	RL 4-00083	Piston Pusher
4 ABCDE	RL 3-10200	Washer	32	RL 3-25754-11	Roll Pin
5	RL 3-01000-02	Filler Plug	33 ACDG	RL 3-27009	Spring Guide
6	RL 4-00075	Reservoir Housing Not Available	34 ACDG	RL 3-20006	Spring
7	RL 3-27005	Bearing Cap	35 ABCDEG	RL 3-30002	Ball
8	RL 3-70000	Thrust Bearing	36 ABDG	RL 3-20007	Spring
9	RL 3-11024	Snap Ring	37 ABCDEG	RL 3-30000	Ball
	RL 3-25751-06	Roll Pin	38	RL 4-00084	Upper Valve Pin (Round)
10	RL 3-27006	Thrust Collar	39 ACDG	RL 3-20008	Spring
11	RL KIT-5145-TPTUM	Ram Assembly	40 ABCDEG	RL 3-30001	Ball
12 A,B	RL 14A	Bushing	41	RL 4-00086	Lower Valve Pin (Square)
CDE	RL 3-27018	Bushing	42 A	RL 58A	Washer (3000 lb)
13 AB	RL 15A	U-Cup (3000 lb)	CDE	RL 3-26002	Washer
CDE	RL 1-30500	U-Cup	43 ACD	RL 3-27008	Spring Guide
14	RL 1-04500	Hole Plug 1/8"	44 ACDG	RL 3-27007	Ball Guide
	RL 1-90001-02	Relief Valve Not Available	45	RL 67	Retaining Ring (1"Piston)
15 C,G	RL 1-04501	Screw Plug		RL 3-11000	Retaining Ring (13/16"Piston)
17	RL 4-00077	Sleeve	46	RL 3-11001	Snap Ring
18 ABCD	RL 3-20004	Spring (Foot Control Models)	47 AB	RL 1-40004	O-Ring (3000 lb)
	RL 3-20003	Spring (Hand Control Models)	CDE	RL 8B	O-Ring (5000 lb)
19 ABC	RL 1-30001	Quad Ring, 1"	48	RL 3-04501-05-A	Set Screw Kit
20 C	RL 4-00079	Pin	49	RL 3-25750-07	Roll Pin
C	RL 4-00078	Pin	KITS A	RL T5AOK	Seal Kit (1-3/8" Lift Ram; 3000 lb, Some 4500 lb)
21	RL 4-00057	Foot Pedal Not Available	KITS B	RL 7-99003	Seal Kit (Slim Version of T5AOK)
22	RL 3-00090-08	Bolt	KITS C	RL T5BOK-F-SUPER	Super Seal Kit (1-5/8" Lift Ram) Foot Control
23	RL 4-61035	Handle Pin, 5/8", Brass Bushing	KITS C	RL T5BOK-H-SUPER	Super Seal Kit (1-5/8" Lift Ram) Hand Control
	RL 4-00081	Handle Pin, 3/4", Nylon Bushing	KITS D	RL T5BOK	Complete Seal Kit (1-5/8" Ram)
24 ABCDE	RL 1-30001	Quad Ring, 1"	KITS E	RL 7-99001	Seal Kit (1-5/8" Lift Ram)
ABCE	RL 1-32000	U-Cup, 13/16"	KITS G	RL 7-99000	Seal Kit (Spring and Ball Kit)
25 AB	RL 35	Scraper, 1"		HU RL 5000-F	Rebuilt Hydraulic Unit - Exchange
ABC	RL 1-33501	Scraper, 13/16"		HU RL 5000-H	Rebuilt Hydraulic Unit - Exchange
26 A	RL 3-20013	Spring (1" Piston)			
ACD	RL 3-20005	Spring (13/16" Piston)			
27	RL 4-60065	Piston, 1"			
C	RL 4-00080	Piston, 13/16"			
28	RL 3-27055	Bushing, 5/8", Brass			

Valu-Jack 6600 Frame



Valu-Jack 6600 Backrest & Brake



Valu-Jack 6600 Frame

Item#	Part#	Description
1	66201	Set Screw
2	66207	Pin
3	66203	Lifting Link
4	66205	Snap Ring
5	66206	Connecting Link
6	66210	Pin
7	66208	Push Rod
8	66211	Lifting Link Shaft
9	66204	Roll Pin
10	66214	Push Rod Axle
11	66213	Roll Pin
12	66216	Roll Pin
13	66212	Pivot Axle
14	66243	Exit Roller
15	66244	Bushing
16	66215	Load Wheel Bracket

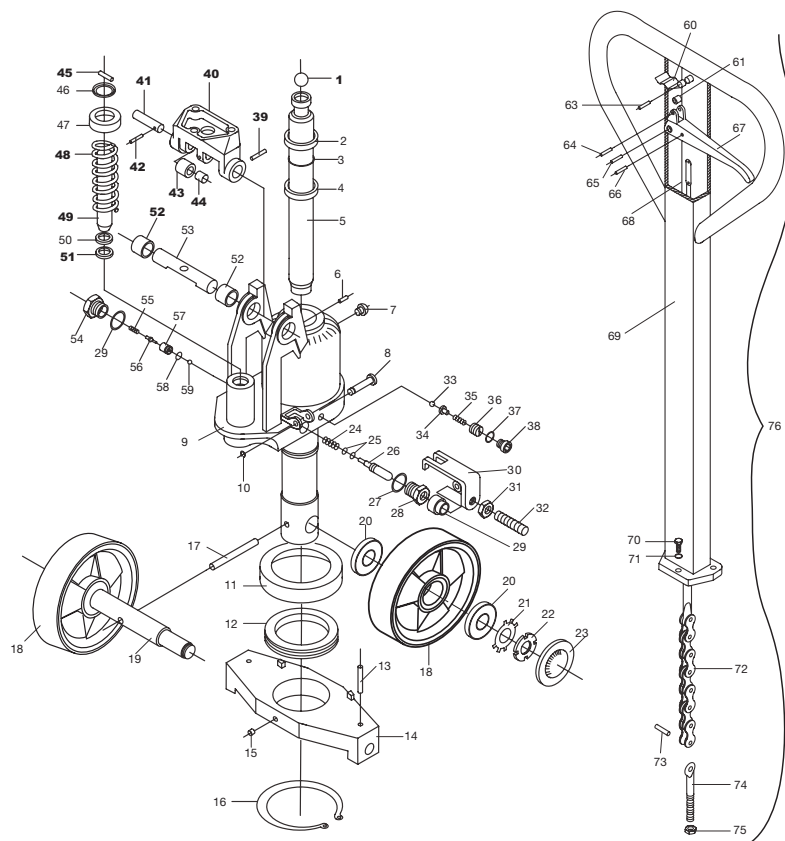
Item#	Part#	Description
17	66204	Roll Pin
18	66202	Grease Fitting (Threaded)
19	66217	Load Wheel Axle
20	66220	Bearing
21	66225-D	Load Roller Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings
	66225	Load Roller Assembly, Black Ultra Poly On Steel Hub W/ Bearings
	66225-N	Load Roller Assembly, Nylon W/ Bearings
	66225-S	Load Roller Assembly, Steel W/ Bearings
	GWK-VJ-LW	Load Wheel Kit, Incl. (2) Load Roller Assy W/ Bearings, Axles, and Fasteners
22	66219	Washer
23	66241	Bolt
24	66242	Nut
25	66239	Entry Roller
26	66240	Sleeve

Valu-Jack 6600 Backrest & Brake

Item#	Part#	Description
1	66S9	Brake Handle Frame
2	66S1	Locking Lever
3	66S2	Spring
4	66S3	Spring Pin
5	66S4	Brake Lever
6	66S5	Spring Pin
7	66S6	Nut
8	66S7	Bolt
9	66S8	Brake Cable (Includes Items 7-15)
10	66S21	Tube
11	66S10	Bolt
12	66S11	Washer
13	66S12	Nut
14	66S26	Shaft
15	66S14	Nut
16	66S27	Shaft
17	66S16	Washer
18	66S28	Lever Plate
19	66S35	Washer

Item#	Part#	Description
20	66S24	Bushing
21	66S25	Shaft
22	66S29	Bearing
23	66S30	Snap Ring
24	66S31	Split Ring
25	66S32	Washer
26	66S33	Snap Ring
27	66S34	Dust Cover
28	66S13	Shaft
29	66S15	Set Screw
30	66S17	Brake Plate
31	66S18	Stud
32	66S19	Brake Shoe
33	66S20	Wheel
34	66S38	Backrest
35	66S36	Bushing
36	66S37	Bolt

Valu-Jack 6600 Hydraulic Unit



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Item#	Part#	Description	Item#	Part#	Description
1	66146	Ball	38	6620	Plug
2 A	66148	Scraper	39	6628	Roll Pin
3 A	66143	O-Ring	40	6627	Handle Bracket
4 A	66144	U-Cup	41	6626	Handle Pin
5	66147	Ram	42	6625	Roll Pin
6	66157	Roll Pin	43	66152	Pressure Roller
7 A	66149	Oil Plug	44	6623	Bushing
8	66145	Shaft	45	669	Roll Pin
9	66156	Pump Body Not Available	46	668	Pin Retainer
10	66114	Retaining Ring	47	667	Spring Cap
11	66121	Bearing Cover	48	66103	Handle Return Spring
12	66122	Thrust Bearing	49	665	Pump Piston
13	66123	Roll Pin	50 A	664	Scraper
14	66118	Traverse	51 A	662	U-Cup
15	66119	Grease Fitting (Threaded)	52	6621	Bushing
16	66120	Snap Ring	53	6622	Shaft
17	66115	Roll Pin	54	66106	Plug
18	66216-HD	Steer Wheel Assembly, Red Ultra Poly On Aluminum Hub W/ Bearings	55	66108	Spring
	66216-ST	Steer Wheel Assembly, Black Poly On Nylon Hub W/ Bearings	56	66109	Valve Cone
	66216-S	Steer Wheel Assembly, Steel W/ Bearings	57	66110	Valve
	GWK-VJ-CK	Complete Wheel Kit, Incl 2 load roller assy, 2 steer wheel assy w/bearings, axles and fasteners	58 A	66111	O-Ring
19	66117	Steer Wheel Axle	59	66112	Valve
20	66128	Bearing	60	66602	Blade Spring
21	66126	Tab Washer	61	66603	Roller
22	66125	Round Nut	63	66604	Roll Pin
23	66124	Hub Cap	64	66605	Roll Pin
24	66129	Spring	65	66606	Roll Pin
25 A	66130	O-Ring	66	66607	Roll Pin
26	66131	Release Pin	67	66608	Control Lever
27 A	66107	O-Ring	68	66609	Pull Rod
28	66136	Release Pin Guide	69	66631	Handle Frame
29 A	66137	Rubber Cushion	70	66632	Bolt
30	66132	Release Lever	71	66633	Lock Washer
31	66134	Lock Nut	72	66612	Chain
32	66133	Adjustment Screw	73	66613	Pin
33	6643	Steel Ball	74	66614	Connecting Screw
34	6644	Ball Base	75	66615	Nut
35	6645	Spring	76	66616	Handle Assembly, Includes Items 60-75
36	6646	Plug	KITS A	66150	Seal Kit
37	6619	O-Ring		66156A	Pump Assembly - New